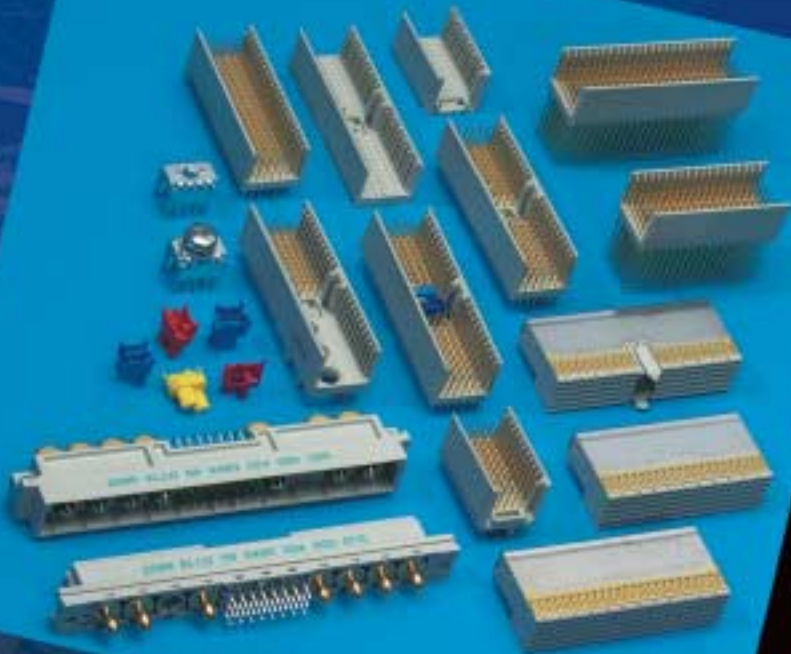




ELCO 2mm Hard Metric Connectors

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NOTICE: Specifications are subject to change without notice. Contact your nearest AVX Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all applications.

Connectors according to IEC 61076-4-101

The 2.0mm hard metric connectors made by AVX are developed and produced in accordance to the international engineering standards IEC 61076-4-101. Because of this users all over the world have a standard for the connection of printed circuit boards with high density connectors. The boards can be changed from one system to another without any problems. Important parameters like fixation, shielding and coding remain

compatible beyond the application. This specification has been selected as the CompactPCI® bus architecture by the PCI Industrial Computer Manufacturers Group (PICMG). AVX connectors have been specifically designed to fit in Position P1/P4, J1/J4 and P2/P5; J2/J5 for CompactPCI® applications and P0/J0 in the VME 64 extension format. AVX also offers full custom connector service to meet the specific needs of given markets and systems.

THE AVX ADVANTAGE

- Modular connector system with 2.0mm grid for CompactPCI® backplane and daughter cards.
- Insulators are beveled at each end to guarantee accurate positioning on the printed circuit board.
- Five and seven signal rows plus two shield rows for optimum transmission performance.

CODING

To avoid mixing printed circuit boards Type A connectors use coding keys in accordance with IEC61076-4-101. Coding keys are inserted into the multi-function cavity by hand.

TYPE A MULTI-FUNCTION CAVITY & PRE-ALIGNMENT GUIDES

Type A connectors are equipped with a multi-function cavity and pre-alignment guides. The guides ensure proper alignment between the boards during mating. The cavity accepts coding keys in accordance with IEC61076-4-101 to prevent mis-mating of boards.

MODULAR SHIELDING

Modular shielding of female connectors enables high speed data transmission in high frequency application. Reduces the crosstalk level and allows an increase of the performance to subnanosecond pulse rise time if used in a differential pair application.

12 different contact sizes for custom configurations

AVX vertical male hard metric connectors have 3 different lengths at the mating side and 4 lengths at the terminal side. The different lengths are required for certain earliest make last break connections on signal or group contacts.

APPROVALS AND SPECIFICATIONS

AVX hard metric connector system meets the requirements of IEC 61076-4-101.

TELCORDIA (FORMERLY BELLCORE) GR-1217-CORE

AVX hard metric connectors are designed to meet the requirements of Telcordia Technologies (formerly BellCore), GR-1217-Core.

ISO9001

The complete hard metric connector system is manufactured in fully approved ISO9001 and QS9000 facilities.

PICMG®

The hard metric connector system meets the requirements of the CompactPCI® specification as defined by the PCI Industrial Computer Manufacturers Group.



PCI Industrial Computer Manufacturers Group, (PICMG), is a consortium of Industrial Computer Product vendors with the mission of designing specifications for PCI-based systems and boards to be used in industrial and telecommunications applications. For more information on PICMG visit their website at www.picmg.org

Elco Multi-Line Module Connectors For CompactPCI



TECHNICAL SPECIFICATIONS

Contact Spacing		2.0mm grid
Current Rating		1.0A/contact / 70°C
Voltage Rating		250V maximum
Dielectric Withstanding Voltage		750VAC rms/minute
Insulation Resistance	contact / contact	10 ⁴ M Ω minimum
	contact / shielding	10 ⁴ M Ω minimum
Contact Resistance		20m Ω maximum
Insertion Force	contact	n x 0.75 N maximum
	inclusive shielding	n x 1.00 N maximum
Separation Force	contact	n x 0.15 N minimum
	inclusive shielding	n x 0.15 N minimum
Operating Temperature		-55° to +125°C

MATERIAL

Contact	Plug	Phosphor Bronze
	Receptacle	Phosphor Bronze
Insulator	Plug	PBT 30% Glass Filled, UL 94V-0 Rated
	Receptacle	PBT 30% Glass Filled, UL 94V-0 Rated
Shroud		PBT 30% Glass Filled, UL 94V-0 Rated
Code Key		Glass Filled Polyester, UL 94V-0 Rated
Ground Return Shields		Phosphor Bronze

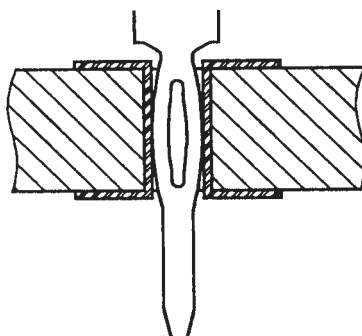
FINISH SERIES 7200

Finish Code		Class	Mating Cycle	Mating Area	Other Area	Press-fit Area
002 / 005	male	2	≥250	Au 0.80 μ m min.	Au 0.80 μ m min.	SnPb 2 μ m min. (002) / Ni 1.27 μ m min. (005)
002	female	2	≥250	Au 0.80 μ m min.		SnPb 2 μ m min.

FINISH SERIES 8071, 8072, 8077

Finish Code		Class	Mating Cycle	Mating Area	Other Area	Press-fit Area
833	male female	2	≥250	Pd/Ni 0.65 μ m min. Gold 0.1 μ m min.	Au 0.05 μ m	SnPb 1.2-2.0 μ m
863/517	male female	2	≥250	Au 0.76 μ m min.	Au 0.05 μ m	SnPb 1.2-2.0 μ m

COMPLIANT PINS



Elco Multi-Line Module Connectors utilize the original Elco VARIPIN™ press-fit technology for reliable solderless applications.

BOARD SPECIFICATIONS

P.C. Board Thickness	Drilled Hole	Copper Plate	Tin Plate	Plated Hole
1.4-4.2mm	0.7±0.025	25-50 μ m	4-10 μ m	0.6±0.05

Elco Multi-Line Module Connectors For CompactPCI



BOARD SPECIFICATIONS

P.C. Board Thickness	Drilled Hole	Copper Plate	Tin Plate	Plated Hole
min. 1.4mm	0.7±0.025	25-50µm	4-10µm	0.6±0.05

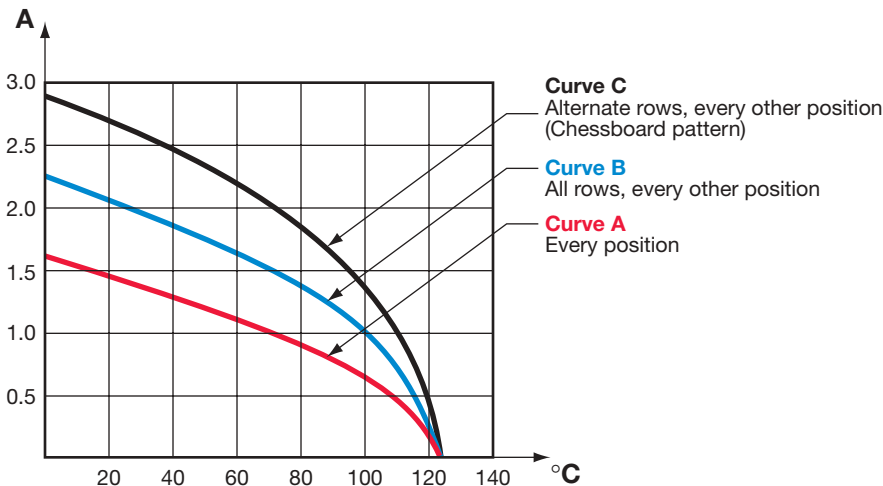
DIELECTRIC WITHSTANDING VOLTAGE

Row Designation		Fully Loaded	Every Other Position	Chessboard Pattern
Row a+c+e Row b+d	Within the row	750 V eff	1500 V eff	—
	Between the rows	1500 V eff	1500 V eff	—
Row a+b+c Row a+b+c+d Row a+b+c+d+e	Within the row	750 V eff	1500 V eff	1500 V eff
	Between the rows	750 V eff	750 V eff	1200 V eff

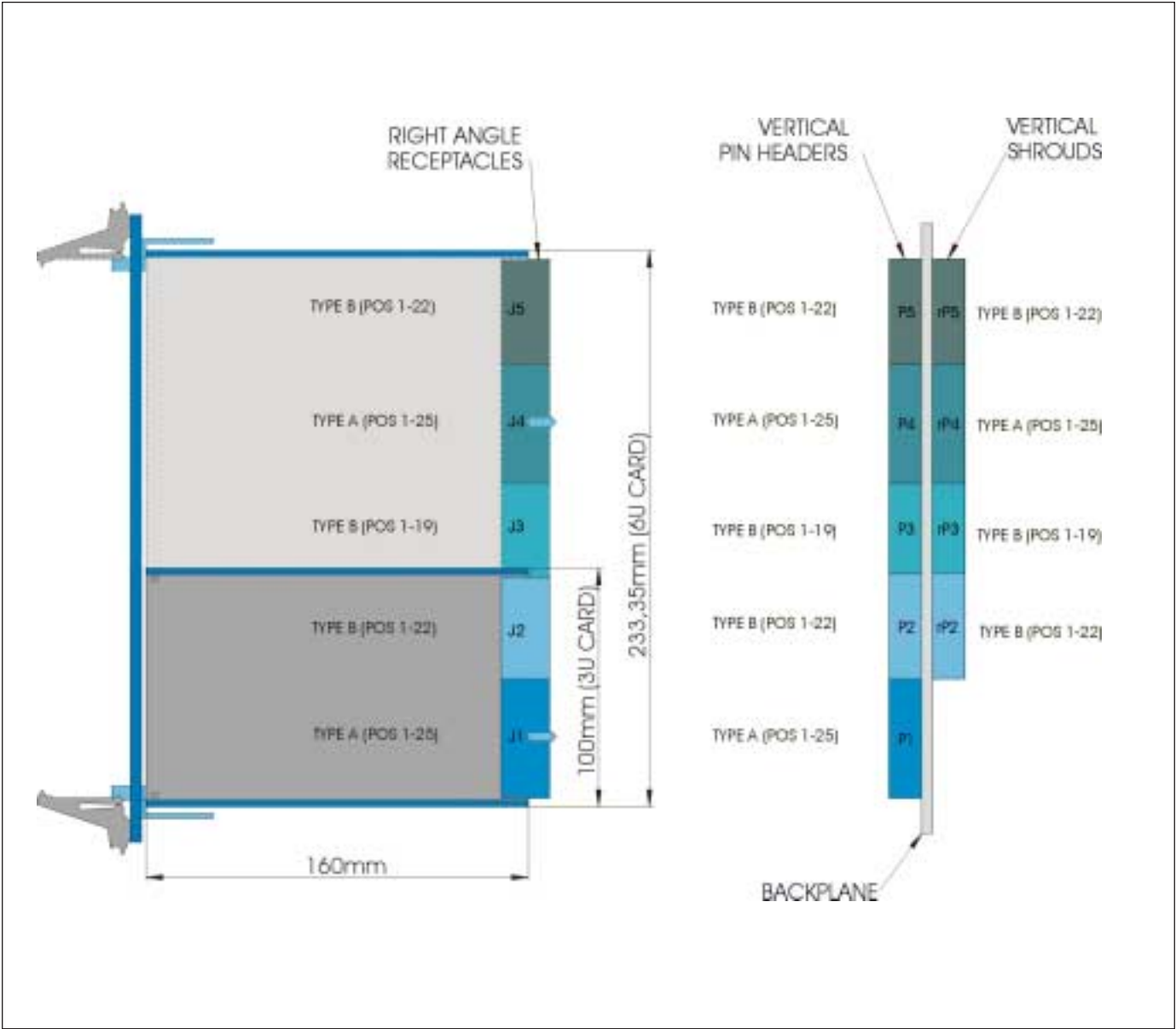
CREEPAGE DISTANCES AND CLEARANCES DEPENDENT ON CONTACT LAYOUT

Row Designation		Fully Loaded		Every Other Position		Chessboard Pattern	
		Backplane	Daughter Card	Backplane	Daughter Card	Backplane	Daughter Card
		Male	Female	Male	Female	Male	Female
		Connector	Connector	Connector	Connector	Connector	Connector
Row a+c+e Row b+d	Within the row	0.8	0.6	2.5	2.5	—	—
	Between the rows	2.5	2.5	2.5	2.5	—	—
Row a+b+c Row a+b+c+d Row a+b+c+d+e	Within the row	0.8	0.6	2.5	2.5	2.5	2.5
	Between the rows	0.8	0.6	0.8	0.6	1.5	1.2

DERATING DIAGRAM



Elco Multi-Line Module Connectors For CompactPCI

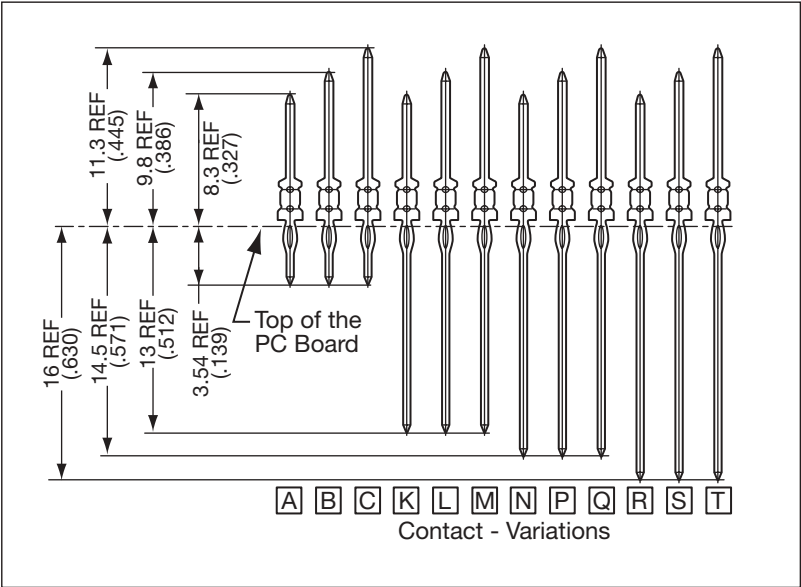


Sequential Mating and Contact Length

Types A, B, C

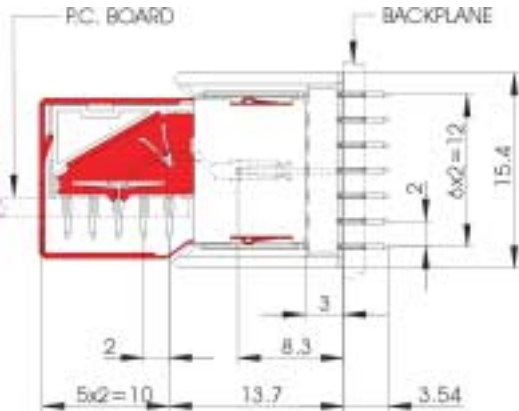
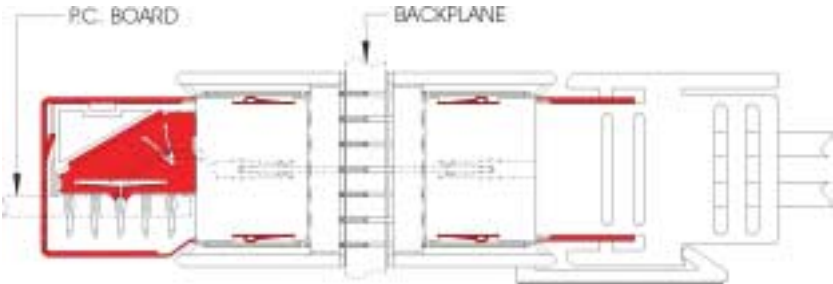
The AVX hard metric connector system can provide 12 standard contacts in any configuration to provide 3 level sequential mating and either front or rear mating. 3 level

length is in 1.5mm increments to ensure sequential mating (as first mate, last break) and (last mate, first break).



MIDPLANE AND HORIZONTAL MATING APPLICATIONS

- 3 pin lengths in the front or rear allow for sequential mating in midplane applications.
- Rear shrouds are used in conjunction with the long pin lengths K-T (see chart above).
- Three shroud thicknesses allow for a full range of backplane thicknesses from 1.6mm to 6.0mm.

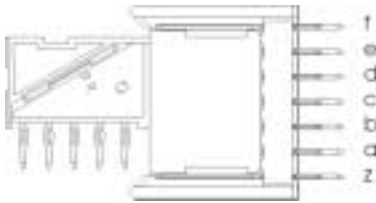


Right Angle Female

Shield Types and Selection



UPPER GROUND RETURN SHIELD



- 5 row version with 250 contacts / 100mm (3.937)
- Signal ground ration 4:1 (50 signal / 100mm)

G	G	G	G	G	G	G	G	G	G	G
G	S	G	S	G	S	G	S	G	S	G
G	G	G	G	G	G	G	G	G	G	G
G	S	G	S	G	S	G	S	G	S	G
G	G	G	G	G	G	G	G	G	G	G

UPPER AND LOWER GROUND RETURN SHIELDS

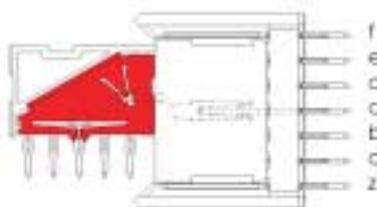


- Enables better transmission performance
- Rows f and z mating to top and bottom shields
- Allows an increase to 75 signals / 100mm (3.937)

G	S	G	S	G	S	G	S	G	S	G
G	G	G	G	G	G	G	G	G	G	G
G	S	G	S	G	S	G	S	G	S	G
G	G	G	G	G	G	G	G	G	G	G
G	S	G	S	G	S	G	S	G	S	G

7200 SERIES REDUCED CROSSTALK VERSION

(See Pages 19-23)

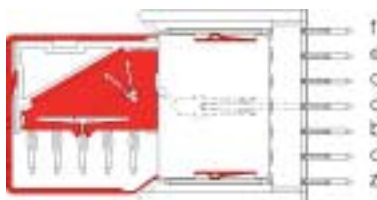


- Metal shield grounded to row c
- Optional board grounding
- Allows increase in density to 100 signals / 100mm (3.937)
- Reduces crosstalk

G	G	G	G	G	G	G	G	G	G	G
S	S	S	S	S	S	S	S	S	S	S
G	G	G	G	G	G	G	G	G	G	G
S	S	S	S	S	S	S	S	S	S	S
G	G	G	G	G	G	G	G	G	G	G

7200 SERIES UPPER AND LOWER GROUND RETURN SHIELDS AND REDUCED CROSSTALK VERSION

(See Pages 19-23)



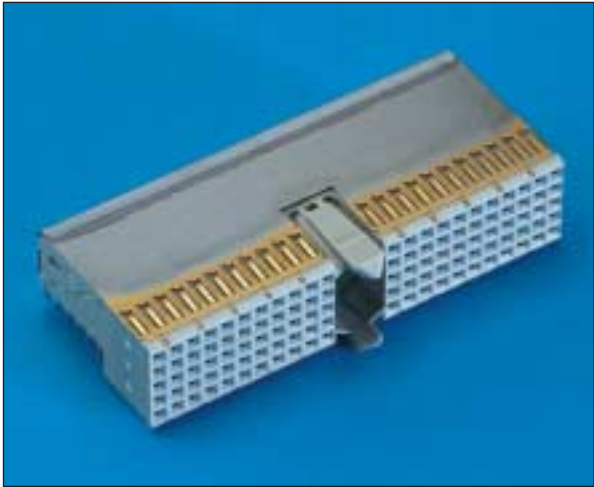
- Can increase performance to subnanosecond rise times if used with differential pairs
- Lower impedance peaks
- Reduced propagation delay

S	S	S	S	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	S	S
G	G	G	G	G	G	G	G	G	G	G
S	S	S	S	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	S	S

Contact Factory for detailed information

J1/J4 Type A Right Angle Female for Daughter Cards

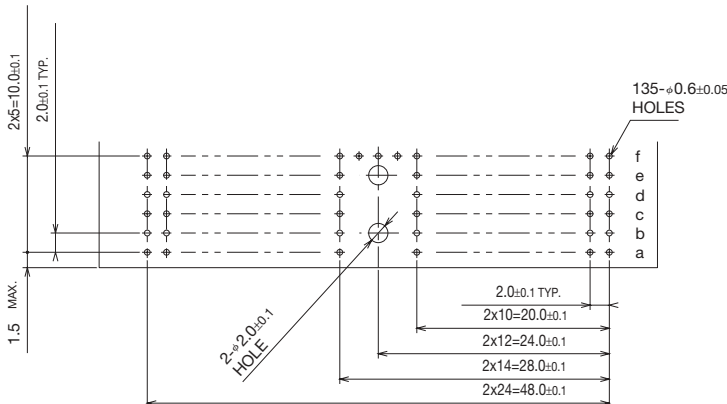
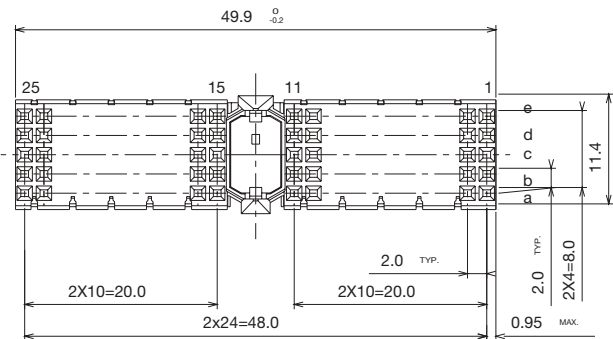
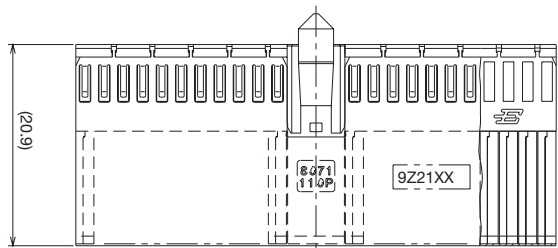
Series 8071



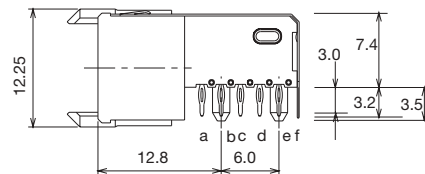
- 110 signal contacts in a 5 x 25 configuration
- Center cavity with pre-alignment guides and keying option (uses 3 positions)
- See page 53 for keying options
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- Available with bottom pegs for secure P.C. mounting
- This connector can be used by itself or in conjunction with Style B or C connectors
- Used in positions J1/J4 of CompactPCI® specification (Daughter Card)
- Lower ground return shield available (see page 30)

- 27 8071 110 001 833** = Type A Right Angle Female without top shield, with pegs
27 8071 110 002 833 = Type A Right Angle Female without top shield, without pegs
27 8071 110 011 833 = Type A Right Angle Female with top shield, with pegs
27 8071 110 012 833 = Type A Right Angle Female with top shield, without pegs

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)



J2/J5 Type B Right Angle Female

Series 7200



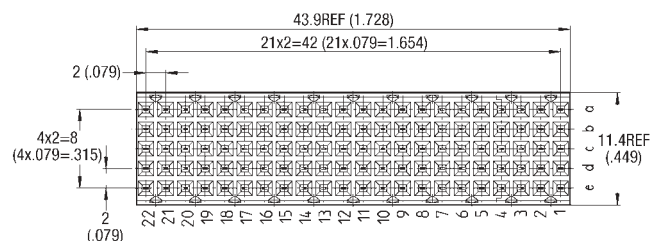
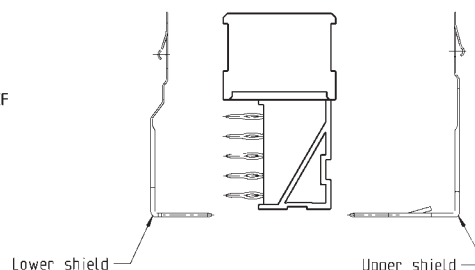
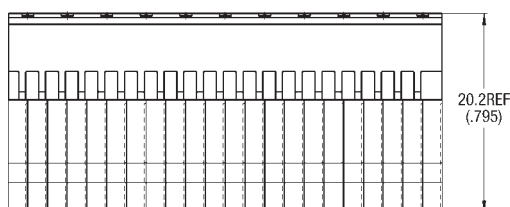
- 110 signal contacts in 5 rows of 22 positions
- Daughter card applications
- Designed for gas tight press-fit installations
- Fills positions J2 and J5 of the CompactPCI® specification
- Supplied with or without upper ground return shield
- This connector should be used in conjunction with a Type A or AB style, to ensure proper mating alignment
- Reduced crosstalk version available (see page 19)
- Lower ground return shield available (see below)

27 7200 110 200 002 = Type B 22 110 Pin Right Angle Female without upper shield

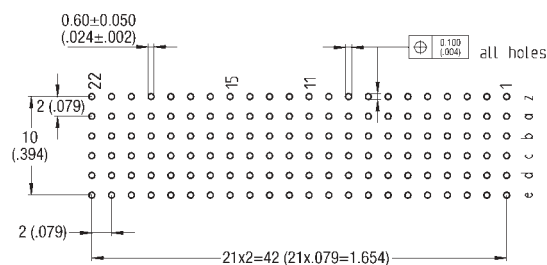
27 7200 110 202 002 = Type B 22 110 Pin Right Angle Female with upper shield

67 7200 2633 00 675 = Lower Shield for B 22 Right Angle Female

DIMENSIONS: millimeters (inches)

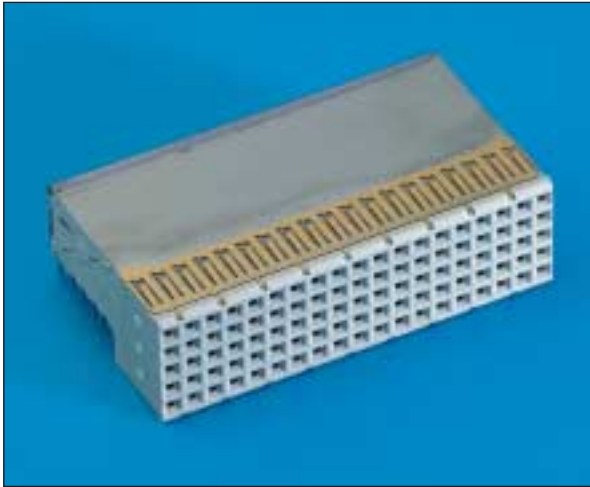


LAYOUT



J3 Type B Right Angle Female for Daughter Cards

Series 8071

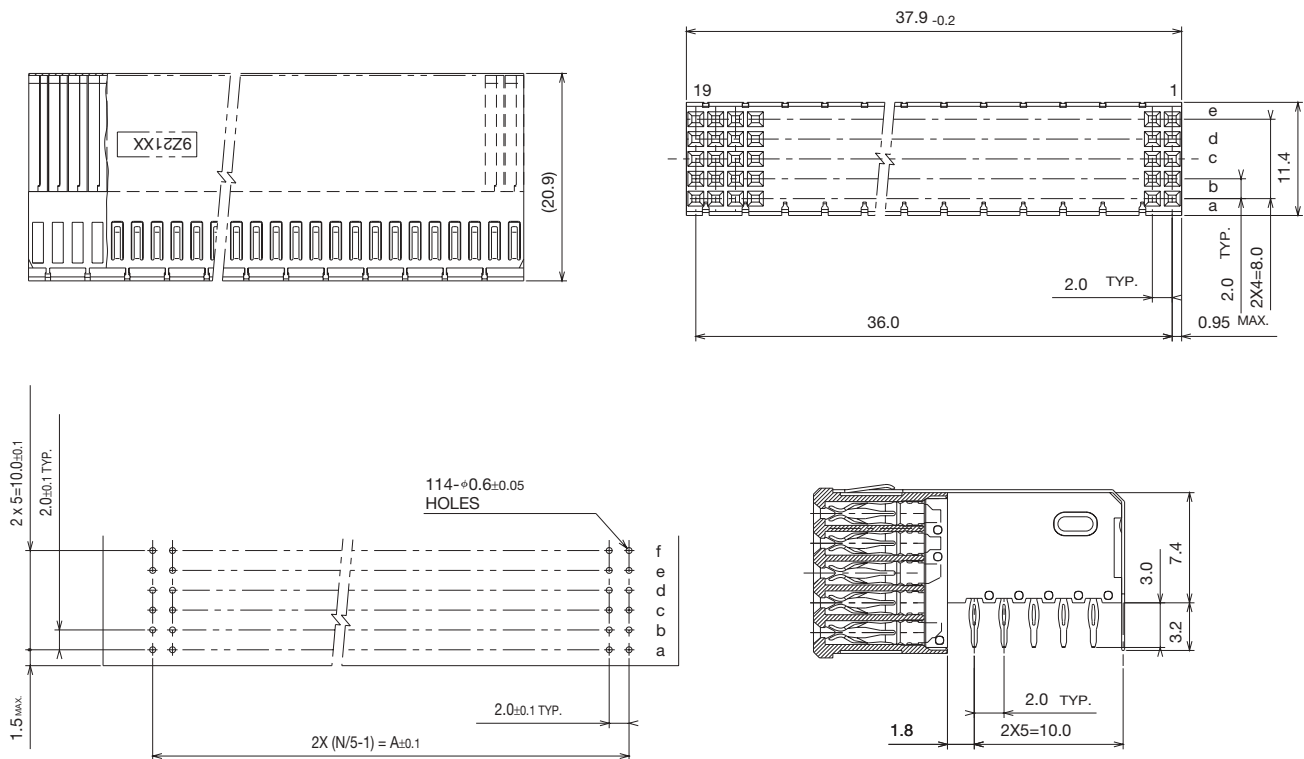


- 95 signal contacts in a 5 x 19 configuration
- Designed for gas tight press-fit installation
- Supplied with or without an upper ground return shield
- Daughter card applications
- This connector should be used in conjunction with a Type A or AB style to ensure proper mating alignment
- This connector fills position J3 of the CompactPCI® specification
- This connector also fills position P0 of the VME64 extension specification
- Lower ground return shield available (see page 30)

27 8071 095 000 833 = Type B 19 95 Pin Right Angle Female without upper shield

27 8071 095 010 833 = Type B 19 95 Pin Right Angle Female with upper shield

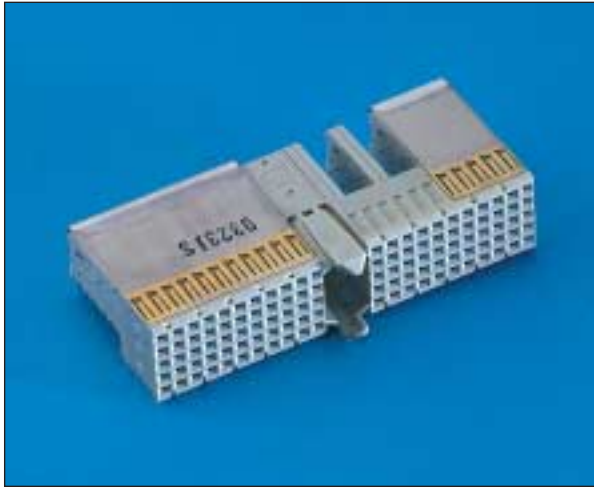
Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)

J4 Type A Right Angle Female with Split Shield (Computer Telephony)

Series 8071

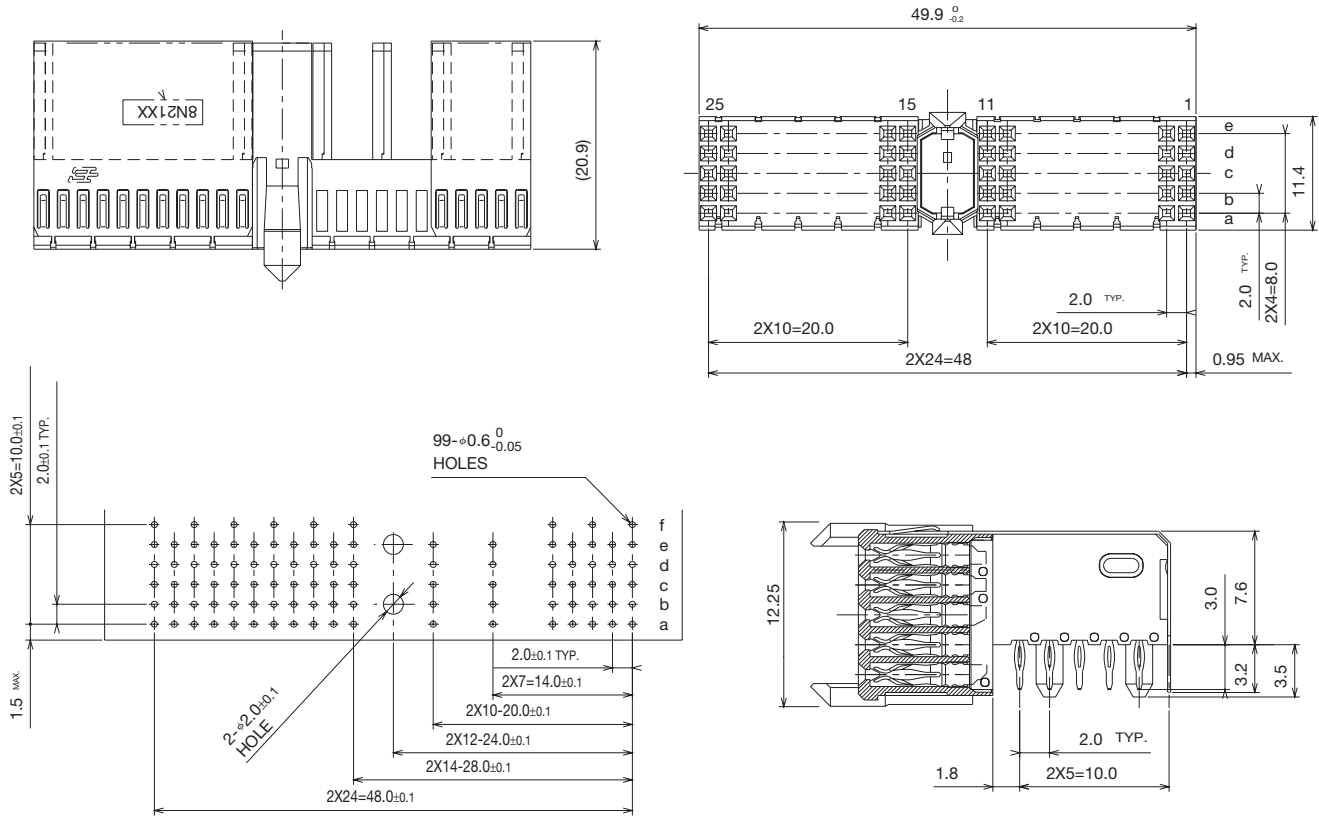


- 90 signal contacts in a 5 x 25 configuration
- Center cavity with pre-alignment guides and keying option (uses 3 positions)
- See page 53 for keying options
- Designed for gas tight press-fit installation
- Supplied with upper ground return shield
- Available with bottom mounted pegs for secure P.C. mounting
- This connector can be used by itself or in conjunction with Style B or C connectors
- Daughter card applications
- Used in position J4 of the CompactPCI® Computer Telephony specification

27 8071 090 501 833 = Type A Right Angle Female with upper shield, with peg

27 8071 090 502 833 = Type A Right Angle Female with upper shield, without peg

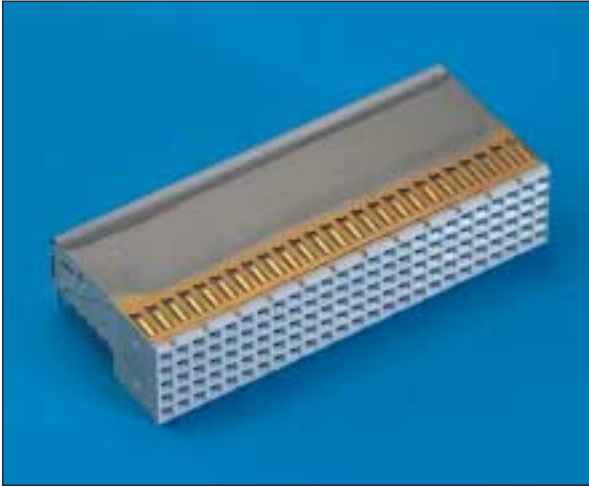
Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)

Type B Right Angle Female for Daughter Cards

Series 8071

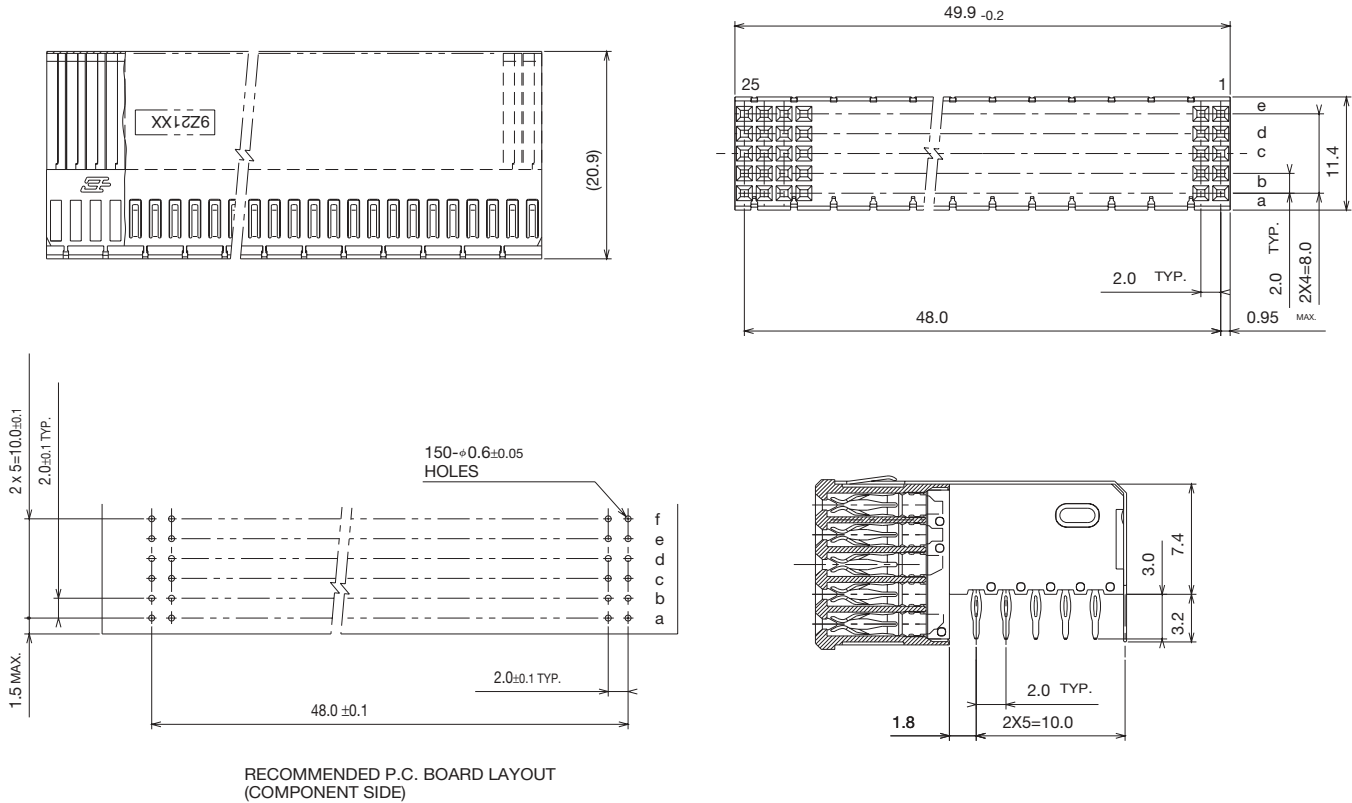


- 125 signal contacts in a 5 x 25 configuration
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- Daughter card applications
- This connector should be used in conjunction with a Type A or AB style to ensure proper mating alignment
- Lower ground return shield available (see page 30)

27 8071 125 000 833 = Type B 125 Pin Right Angle Receptacle without upper shield

27 8071 125 010 833 = Type B 125 Pin Right Angle Receptacle with upper shield

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm



Type C Right Angle Female for Daughter Cards

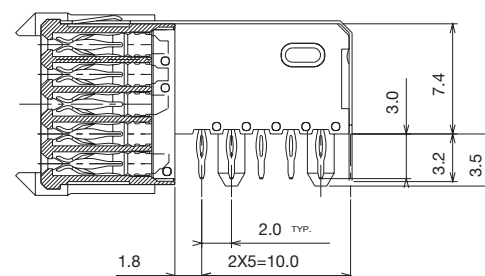
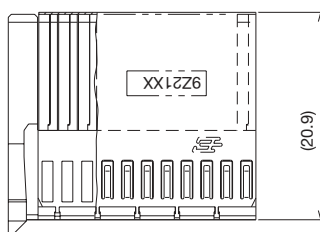
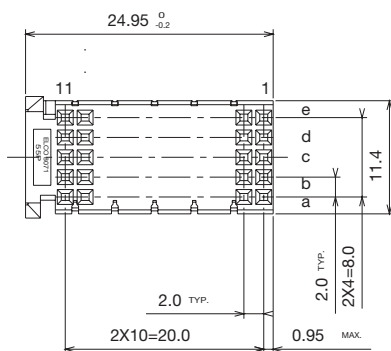
Series 8071



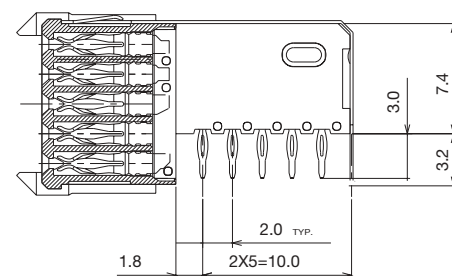
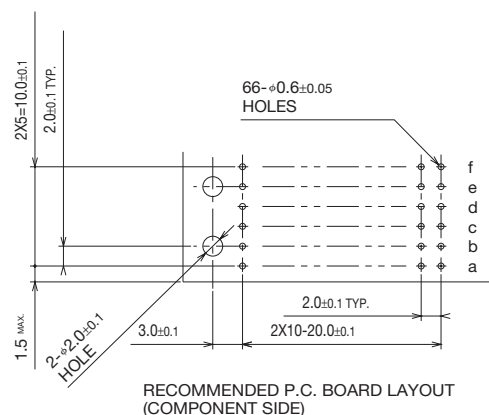
- 55 signal contacts in a 5 x 11 configuration
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- Available with bottom pegs for secure P.C. board mounting
- Daughter card applications
- This connector is designed for end positions only
- Lower ground return shield available (see page 30)

27 8071 055 001 833 = Type C 55 Pin Right Angle Female without upper shield, with peg
27 8071 055 002 833 = Type C 55 Pin Right Angle Female without upper shield, without peg
27 8071 055 011 833 = Type C 55 Pin Right Angle Female with upper shield, with peg
27 8071 055 012 833 = Type C 55 Pin Right Angle Female with upper shield, without peg

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm



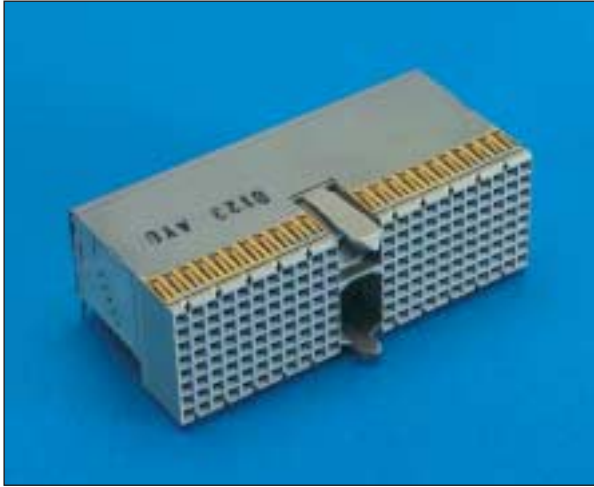
011



012

Type D Right Angle Female for Daughter Cards

Series 8077

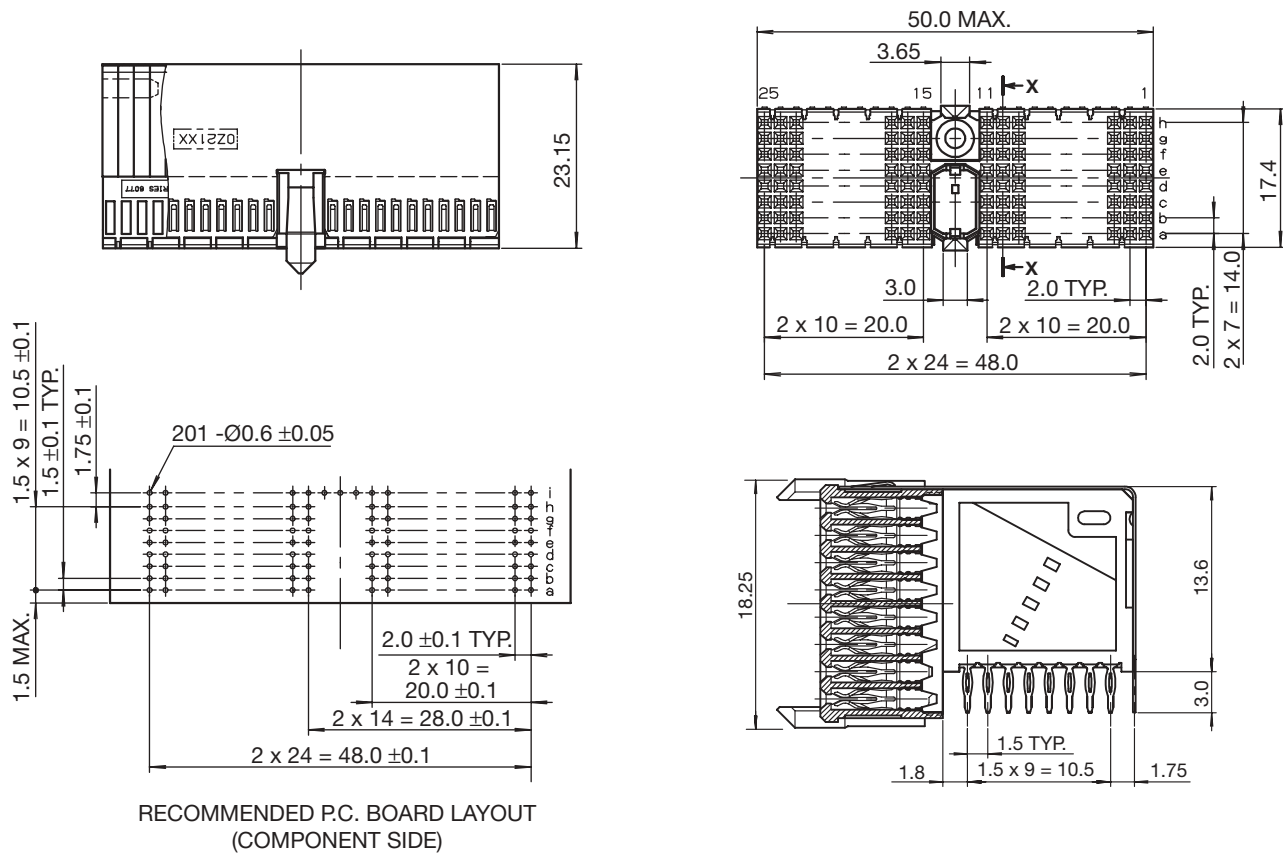


- 176 contacts in a 8 x 25 position configuration
- Center cavity with pre-alignment guides and keying option (uses 3 positions)
- See page 53 for keying options
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- This connector can be used by itself or in conjunction with Style E or F connectors

27 8077 176 001 863 = Type D Right Angle Female without top shield

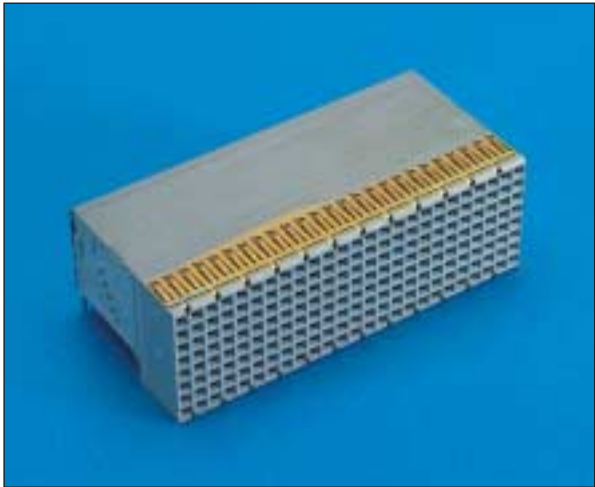
27 8077 176 011 863 = Type D Right Angle Female with top shield

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



Type E Right Angle Female for Daughter Cards

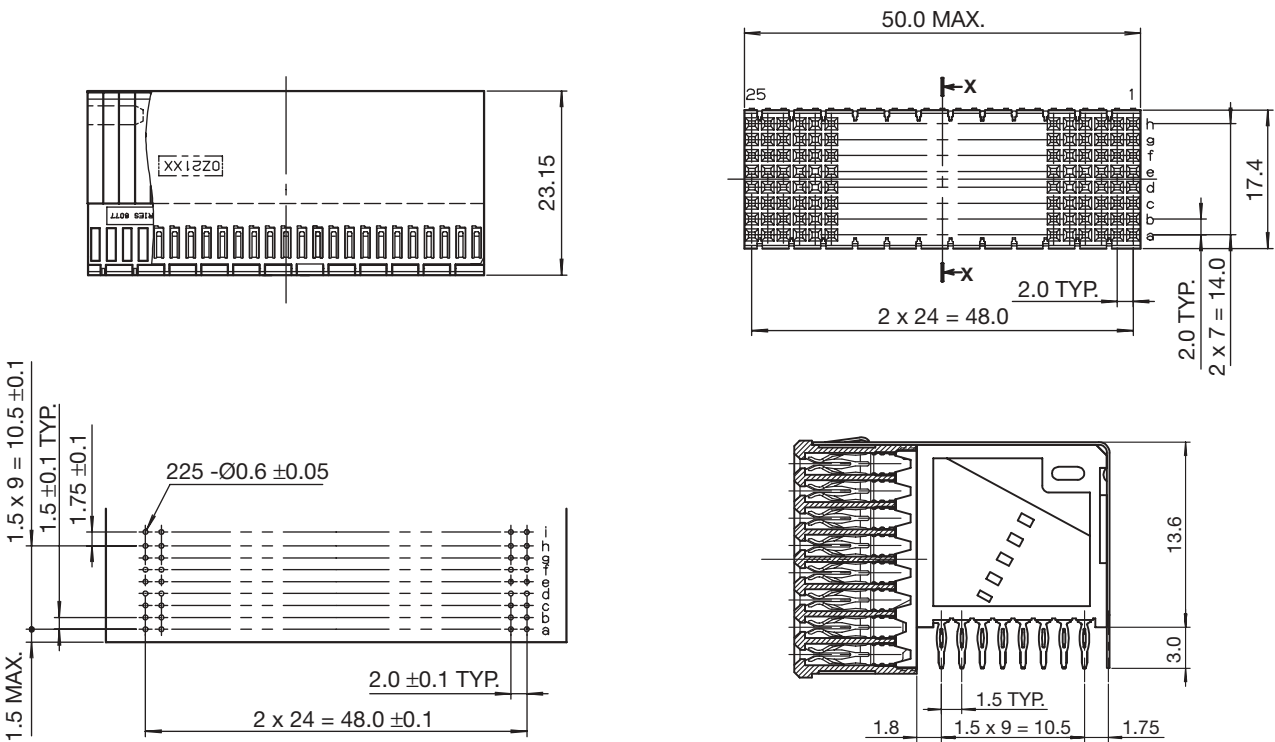
Series 8077



- 200 contacts in a 8 x 25 position configuration
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- This connector should be used in conjunction with a Type D style to ensure proper mating alignment

27 8077 200 000 863 = Type E Right Angle Female without top shield
27 8077 200 010 863 = Type E Right Angle Female with top shield

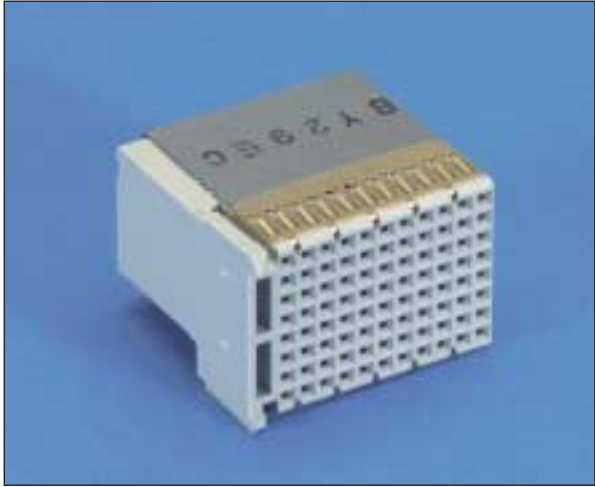
Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)

Type F Right Angle Female for Daughter Cards

Series 8077

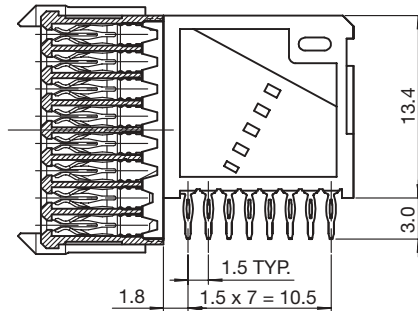
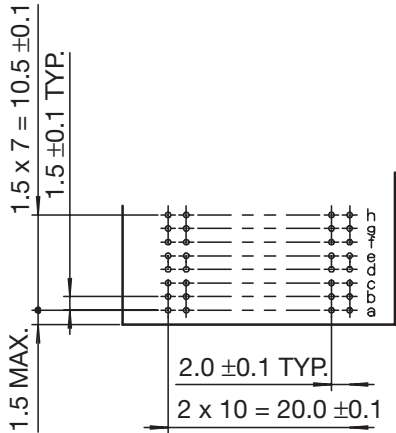
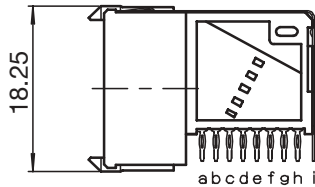
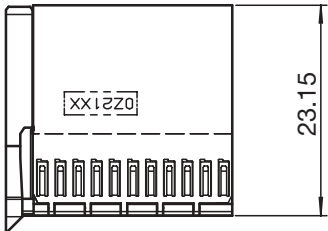
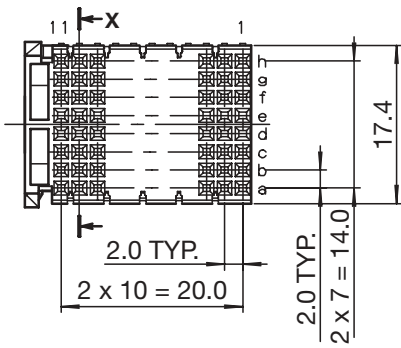


- 88 contacts in a 8 x 11 position configuration
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- This connector can be used by itself or in conjunction with a Type D connector
- Should be used in end positions only

27 8077 088 001 863 = Type F Right Angle Female without top shield

27 8077 088 011 863 = Type F Right Angle Female with top shield

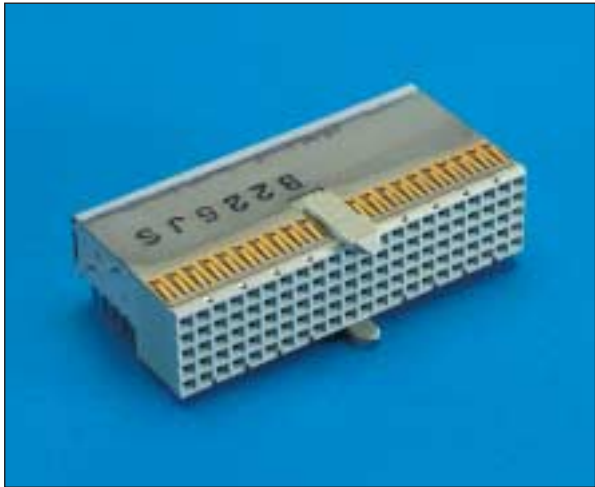
Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)

Type AB Right Angle Female for Daughter Cards

Series 8071



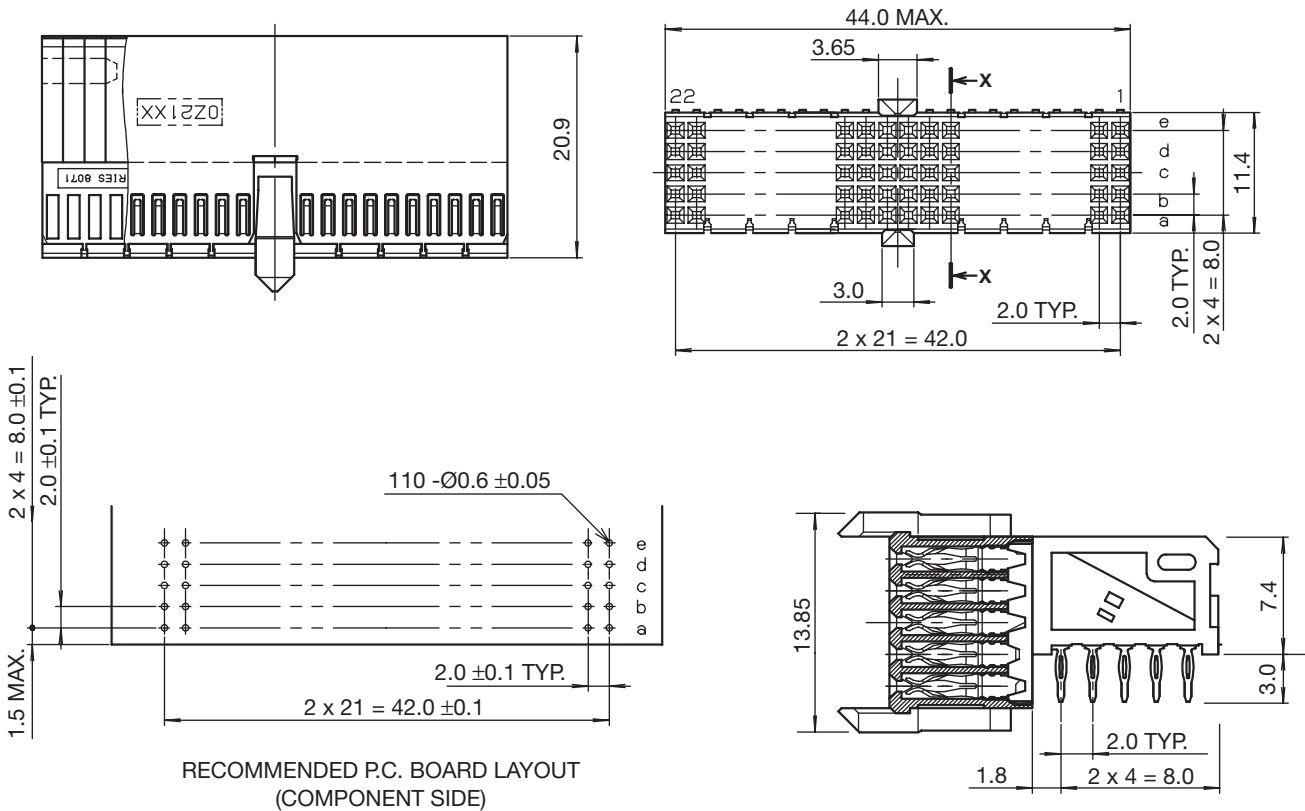
- 110 contacts in a 5 x 22 configuration
- Available with or without upper shield
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- Prealignment guides
- This connector can be used by itself or in conjunction with a Type A, B, C female connector
- Lower ground return shield available (see page 30)

27 8071 110 003 XXX = Type B 22 Vertical Female without upper shield

27 8071 110 013 XXX = Type B 22 Vertical Female with upper shield

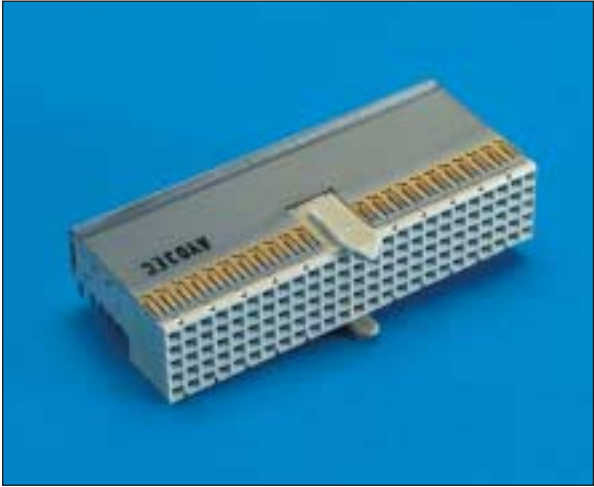
XXX =

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



Type AB Right Angle Female for Daughter Cards

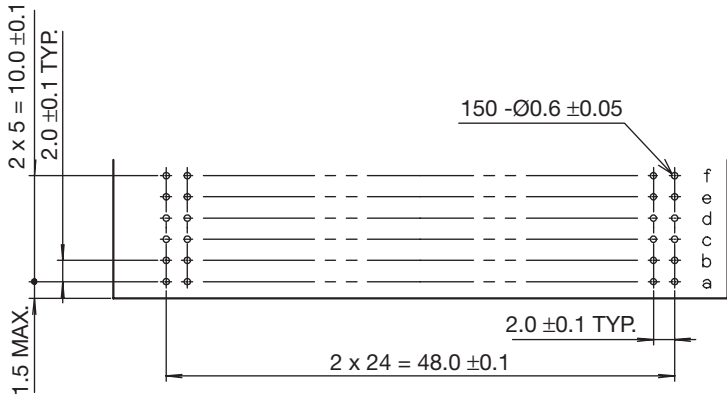
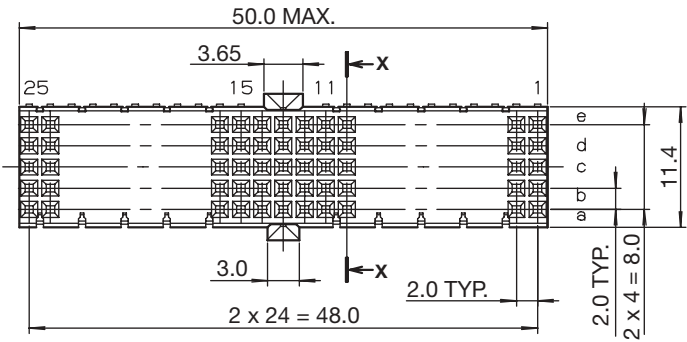
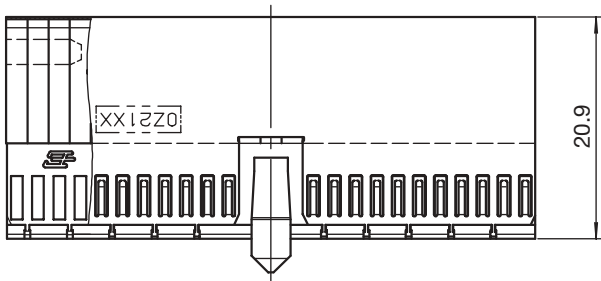
Series 8071



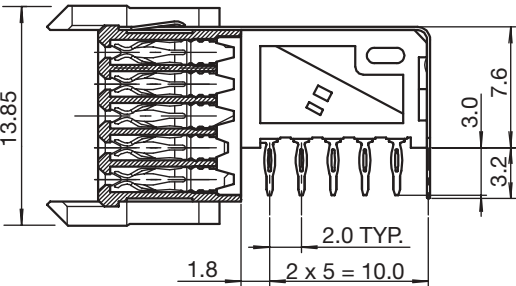
- 125 contacts in a 5 x 25 configuration
- Available with or without upper shield
- Designed for gas tight press-fit installation
- Supplied with or without upper ground return shield
- Prealignment guides
- This connector can be used by itself or in conjunction with Type A, B & C female connectors
- Lower ground return shield available (see page 30)

27 8071 125 003 863 = Type AB Right Angle Female without upper shield
27 8071 125 013 863 = Type AB Right Angle Female with upper shield

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)



Right Angle Female

Style A 25 – 110 Contacts, Reduced Crosstalk Series 7200



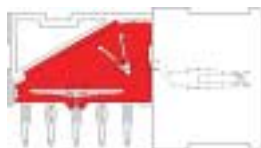
- 110 signal contacts in 5 rows of 25 positions
- Center cavity with pre-alignment guides and keying option (uses 3 positions)
- See page 53 for keying options
- Designed for gas tight press-fit installations
- This connector can be used by itself or in conjunction with Style B or C
- Reduces crosstalk
- Available with or without upper ground shield
- Lower shield available (see below)
- See page 7 for options

27 7200 110 001 002 = Type A reduced crosstalk without shield

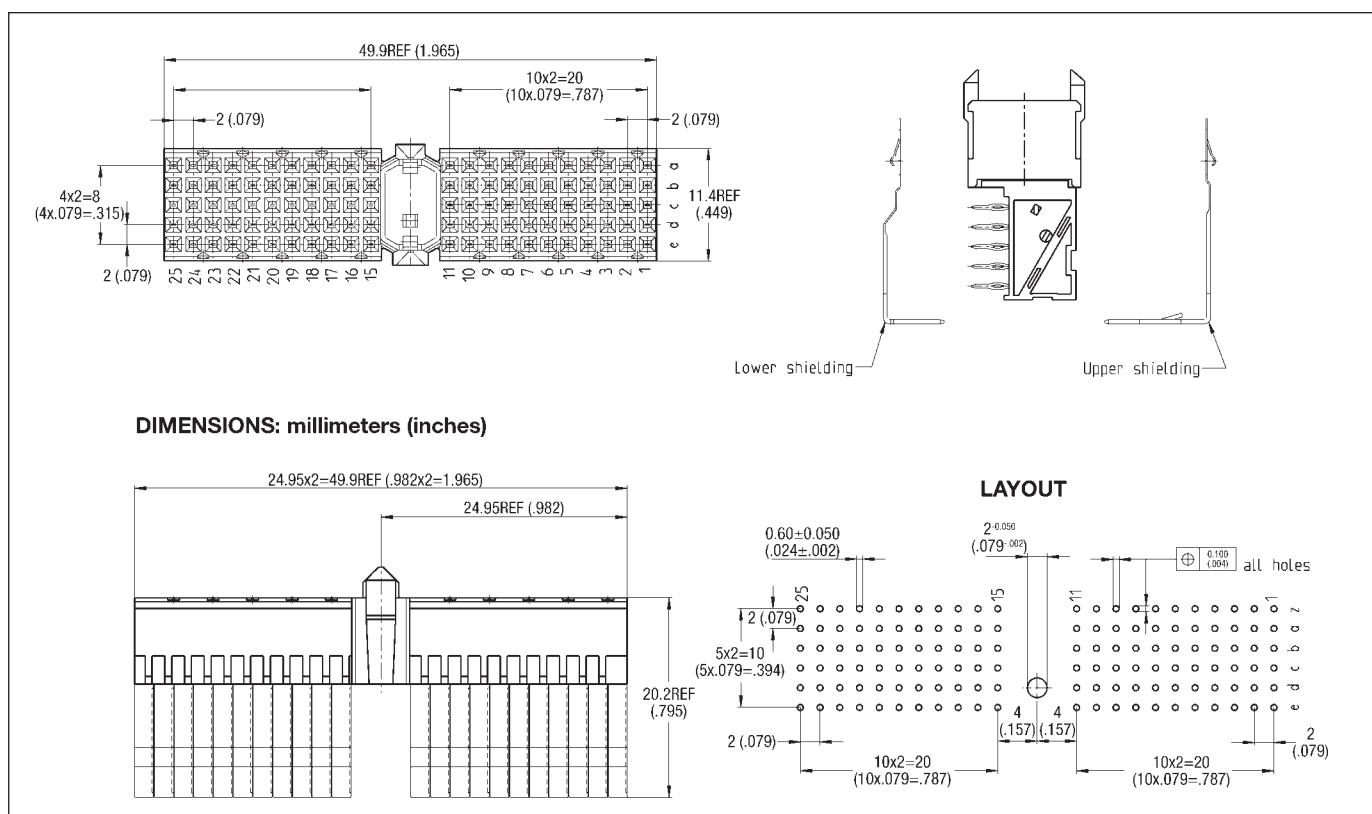
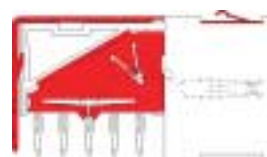
27 7200 110 003 002 = Type A reduced crosstalk with top shield

67 7200 2643 00 675 = Lower shield for Series 7200 Type A

Reduced Crosstalk



Upper Shield and Reduced Crosstalk



Right Angle Female

Style B 19 – 95 Contacts, Reduced Crosstalk Series 7200



- 95 signal contacts in 5 rows of 19 positions
- Daughter card applications
- Designed for gas tight press-fit installations
- This connector should be used in conjunction with a Type A or AB style, to ensure proper mating alignment
- Reduces crosstalk
- Available with or without upper ground shield
- Lower shield available (see below)
- See page 7 for options

27 7200 095 301 002 = Type B 19 reduced crosstalk without upper shield

27 7200 095 303 002 = Type B 19 reduced crosstalk with upper shield

67 7200 2623 00 675 = Lower shield for Series 7200 Type B 19

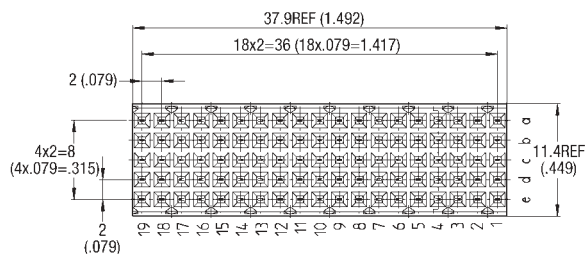
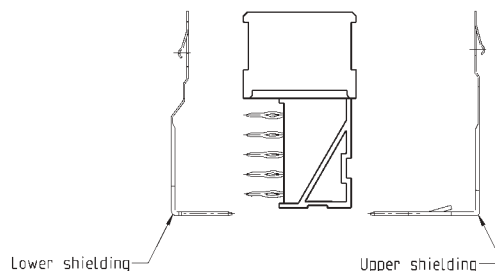
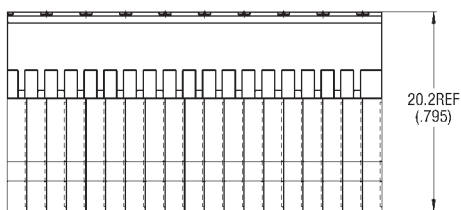
Reduced Crosstalk



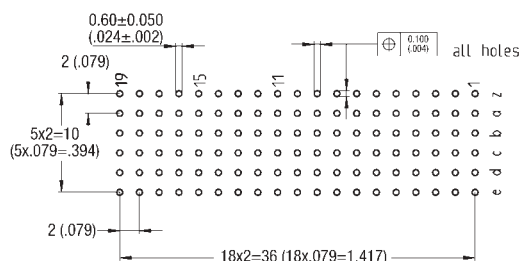
Upper Shield and Reduced Crosstalk



DIMENSIONS: millimeters (inches)

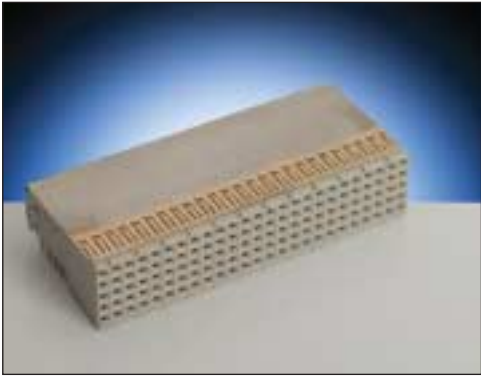


LAYOUT



Right Angle Female

Style B 22 – 110 Contacts, Reduced Crosstalk Series 7200



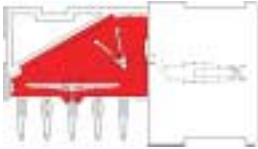
- 110 signal contacts in 5 rows of 22 positions
- Daughter card applications
- Designed for gas tight press-fit installations
- This connector should be used in conjunction with a Type A or AB style, to ensure proper mating alignment
- Reduces crosstalk
- Supplied with or without upper ground shield
- Lower shield available (see below)
- See page 7 for options

27 7200 110 201 002 = Type B 22 reduced crosstalk without upper shield

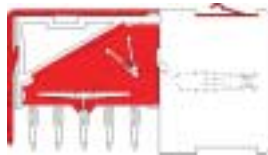
27 7200 110 203 002 = Type B 22 reduced crosstalk with upper shield

67 7200 2633 00 675 = Lower shield for Series 7200 Type B 22

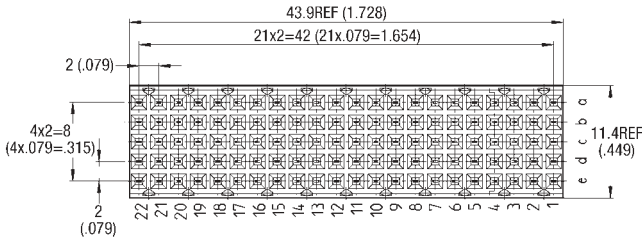
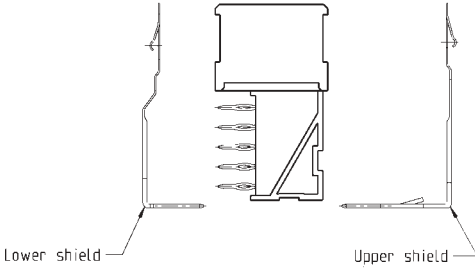
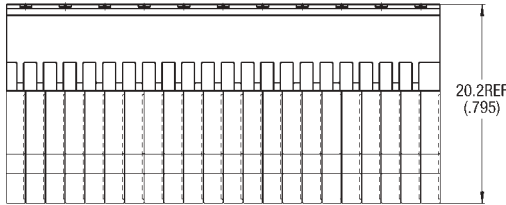
Reduced Crosstalk



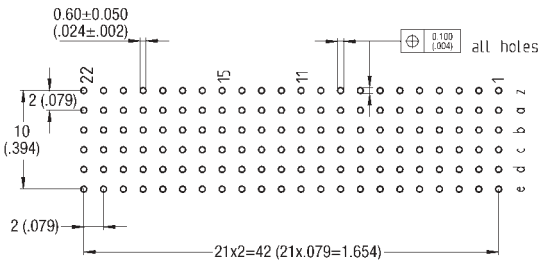
Upper Shield and Reduced Crosstalk



DIMENSIONS: millimeters (inches)



LAYOUT



Right Angle Female

Style B 25 – 125 Contacts, Reduced Crosstalk Series 7200



- 125 signal contacts in 5 rows of 25 positions
- Daughter card applications
- Designed for gas tight press-fit installations
- This connector should be used in conjunction with a Type A or AB style, to ensure proper mating alignment
- Reduces crosstalk
- Supplied with or without upper ground shield
- Lower shield available (see below)
- See page 7 for options

27 7200 125 100 002 = Type B 25 reduced crosstalk without upper shield

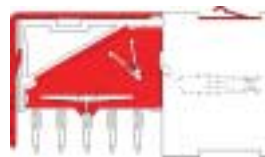
27 7200 125 103 002 = Type B 25 reduced crosstalk with upper shield

67 7200 2653 00 675 = Lower shield for Series 7200 Type B 25 right angle Female

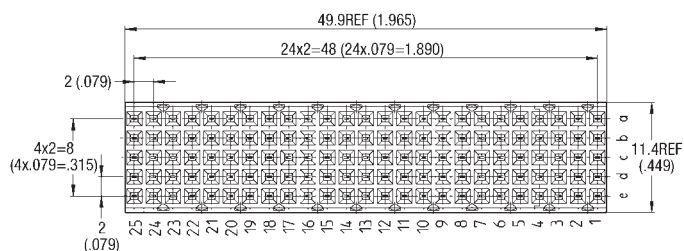
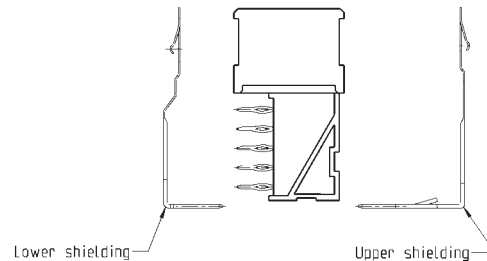
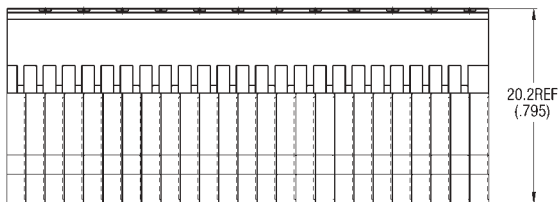
Reduced Crosstalk



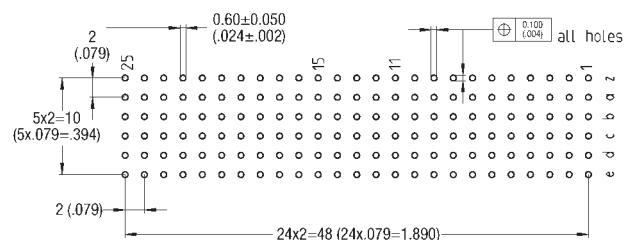
Upper Shield and Reduced Crosstalk



DIMENSIONS: millimeters (inches)



LAYOUT



Right Angle Female

Style C 11 – 55 Contacts, Reduced Crosstalk

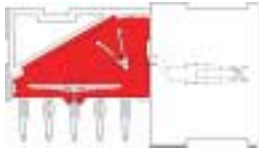
Series 7200



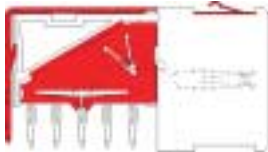
- 55 signal contacts in 5 rows of 11 positions
- Daughter card applications
- Designed for gas tight press-fit installations
- Available with bottom pegs for secure P.C. board mounting
- This connector is designed for end positions only
- Supplied with or without upper ground shield
- Reduces crosstalk
- Lower shield available (see below)
- See page 7 for options

27 7200 055 401 002 = Type C reduced crosstalk without shield
27 7200 055 403 002 = Type C reduced crosstalk with top shield
67 7200 2613 00 675 = Lower shield for Series 7200 Type C

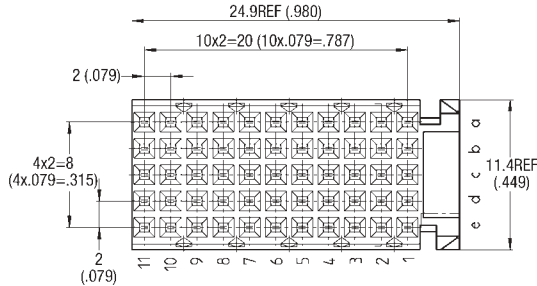
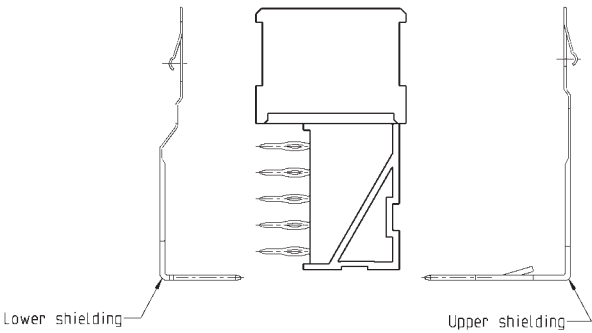
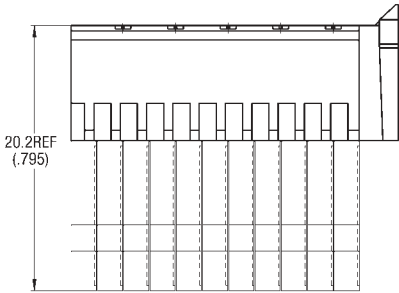
Reduced Crosstalk



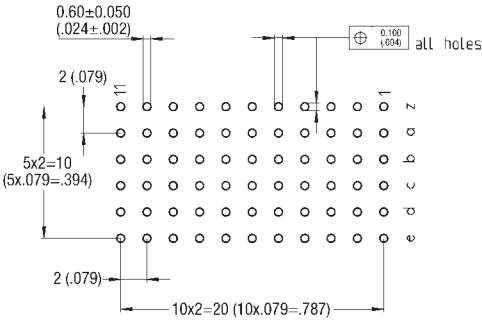
Upper Shield and Reduced Crosstalk



DIMENSIONS: millimeters (inches)



LAYOUT



Type L Right Angle Female for Daughter Cards



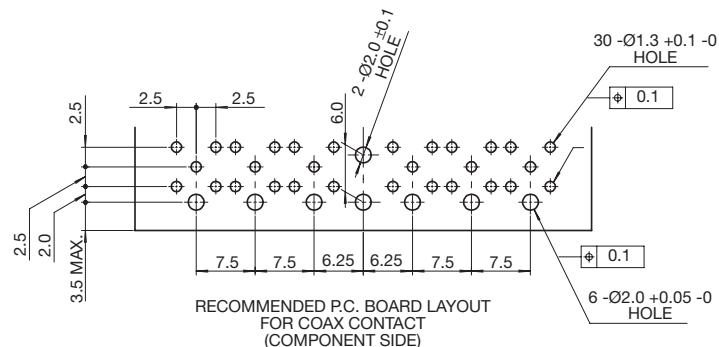
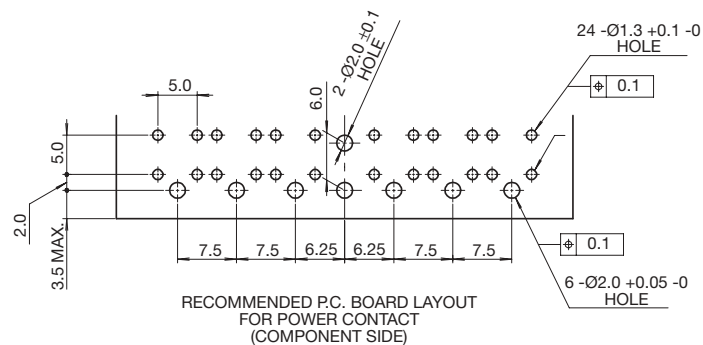
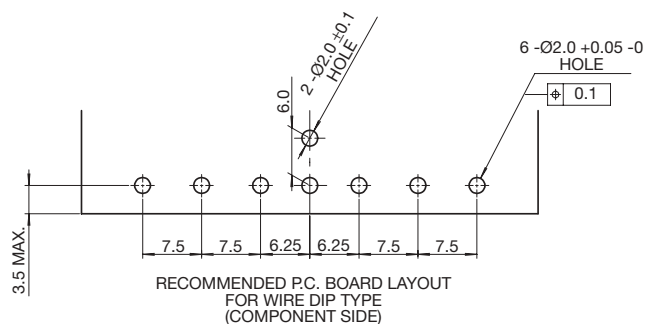
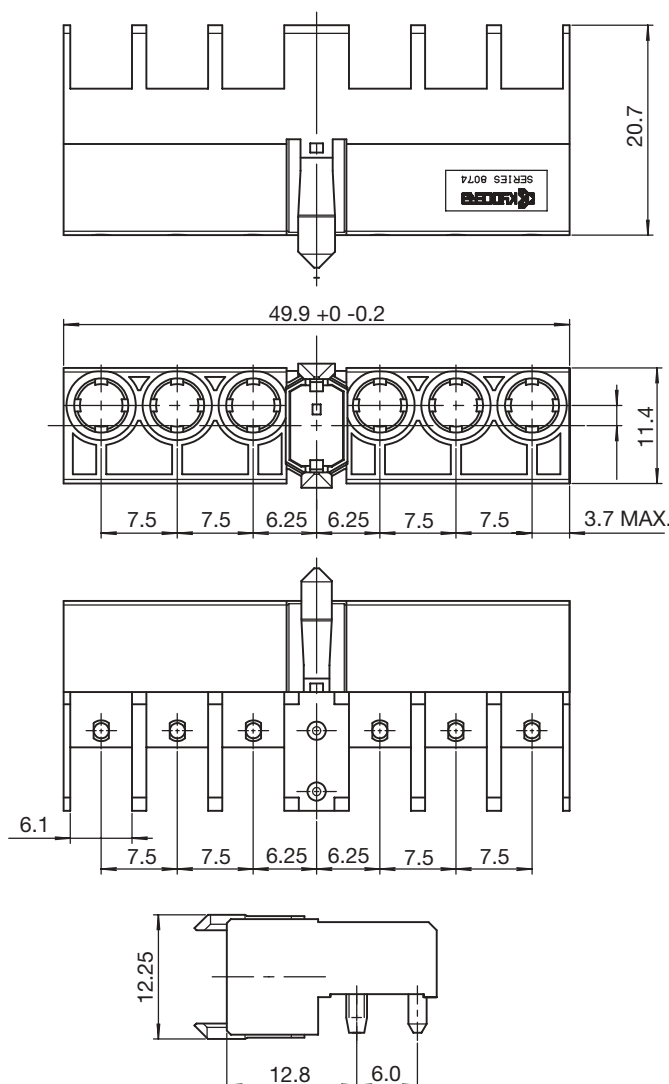
Series 8074



- 6 power or coax contact cavities configuration
- Center cavity with prealignment guides and keying option
- See page 53 for keying options
- Available with or without board locating pegs
- This connector can be used by itself or in conjunction with Style B, C, or M connectors
- Contacts are ordered separately
- See pages 56 and 57 for available contacts

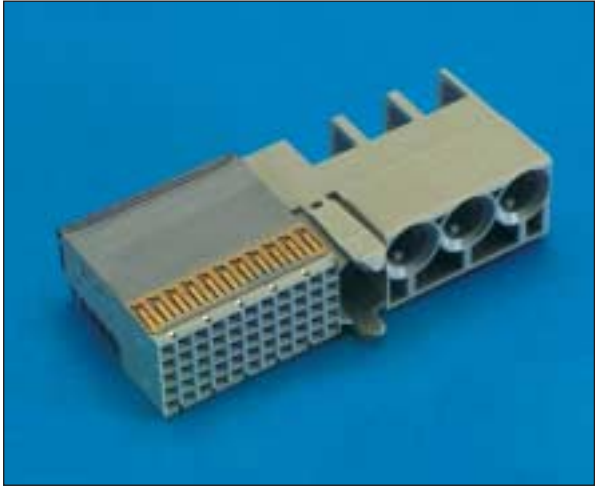
62 8074 006 011 007 = Type L Right Angle Female with mounting peg

62 8074 006 111 007 = Type L Right Angle Female without mounting peg



Type M Right Angle Female for Daughter Cards

Series 8075



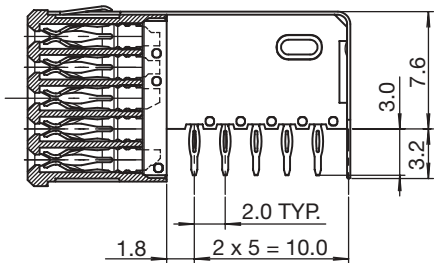
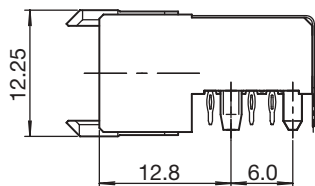
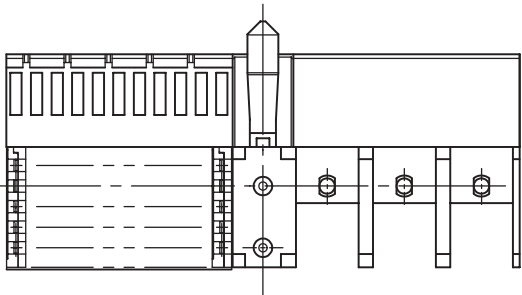
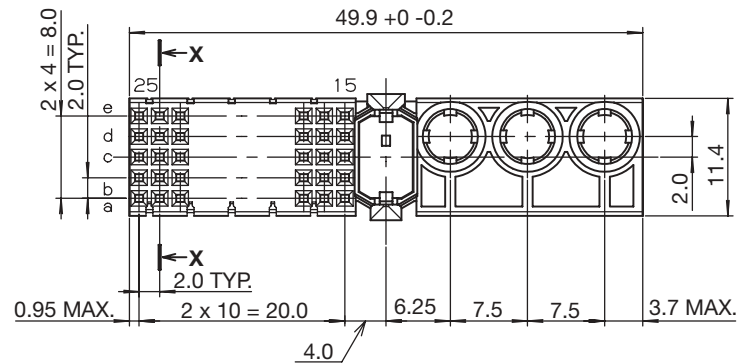
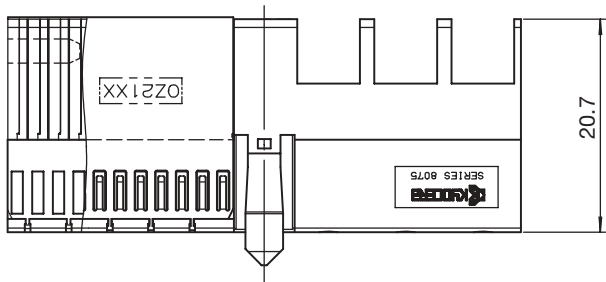
- 55 signal contacts in a 5 x 11 position configuration
- 3 positions for power or coax contacts
- Center cavity with prealignment guides and keying option
- See page 53 for keying options
- Designed for gas tight press-fit installation
- This connector can be used by itself or in conjunction with Style A, B, C, or L connectors
- See pages 56 and 57 for available contacts

27 8075 355 011 XXX = Type M Right Angle Female with shield, with peg

27 8075 355 012 XXX = Type M Right Angle Female with shield, without peg

XXX =

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm

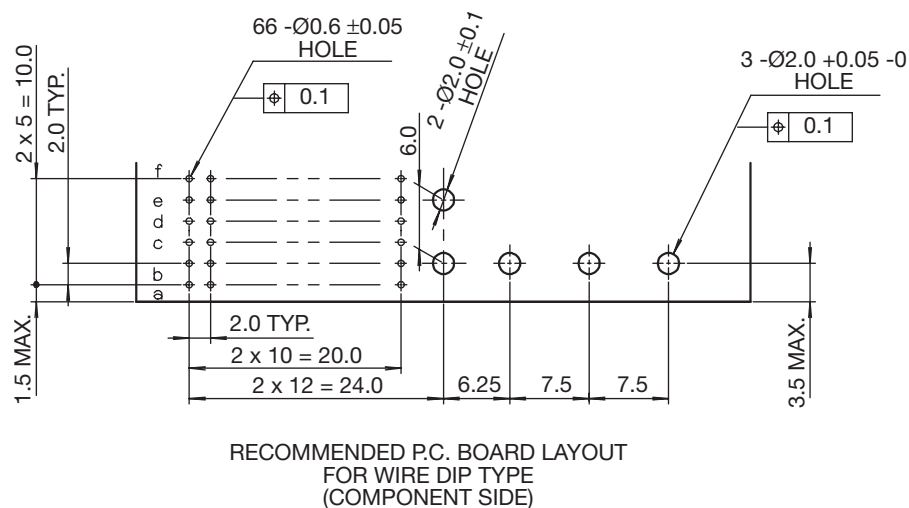
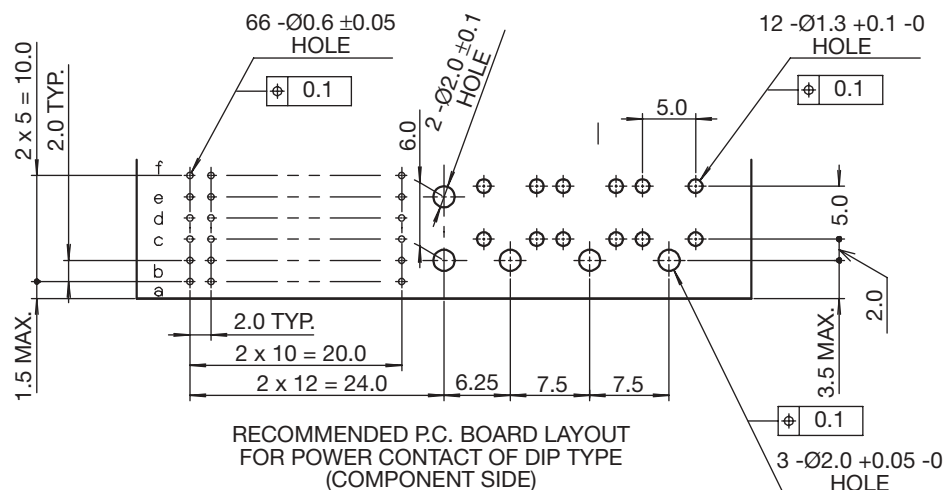
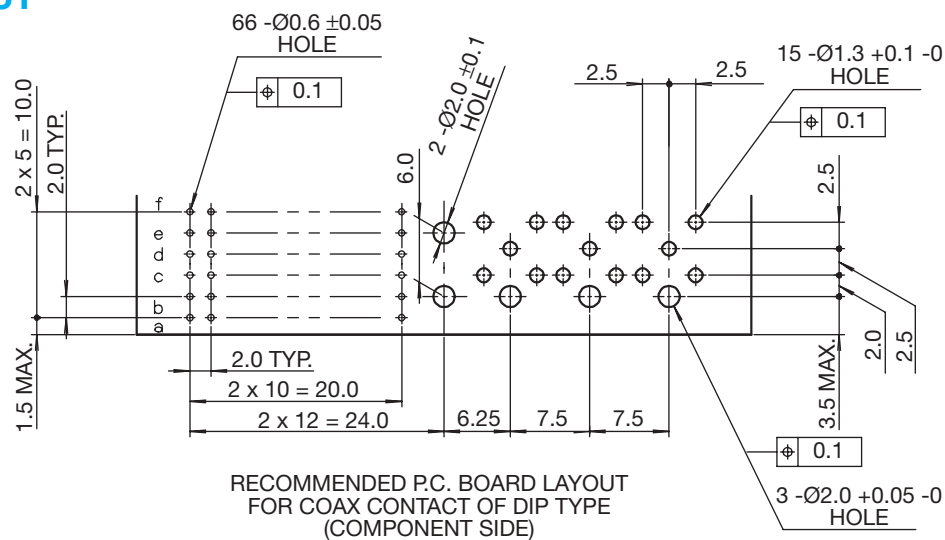


Type M Right Angle Female for Daughter Cards



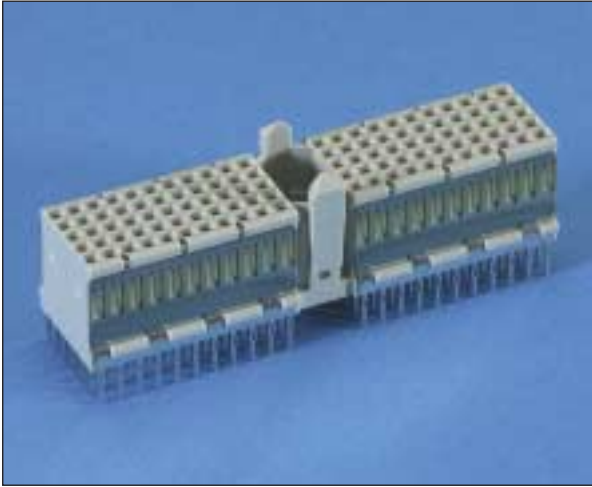
Series 8075

BOARD LAYOUT



Type A Vertical Female for Backplanes

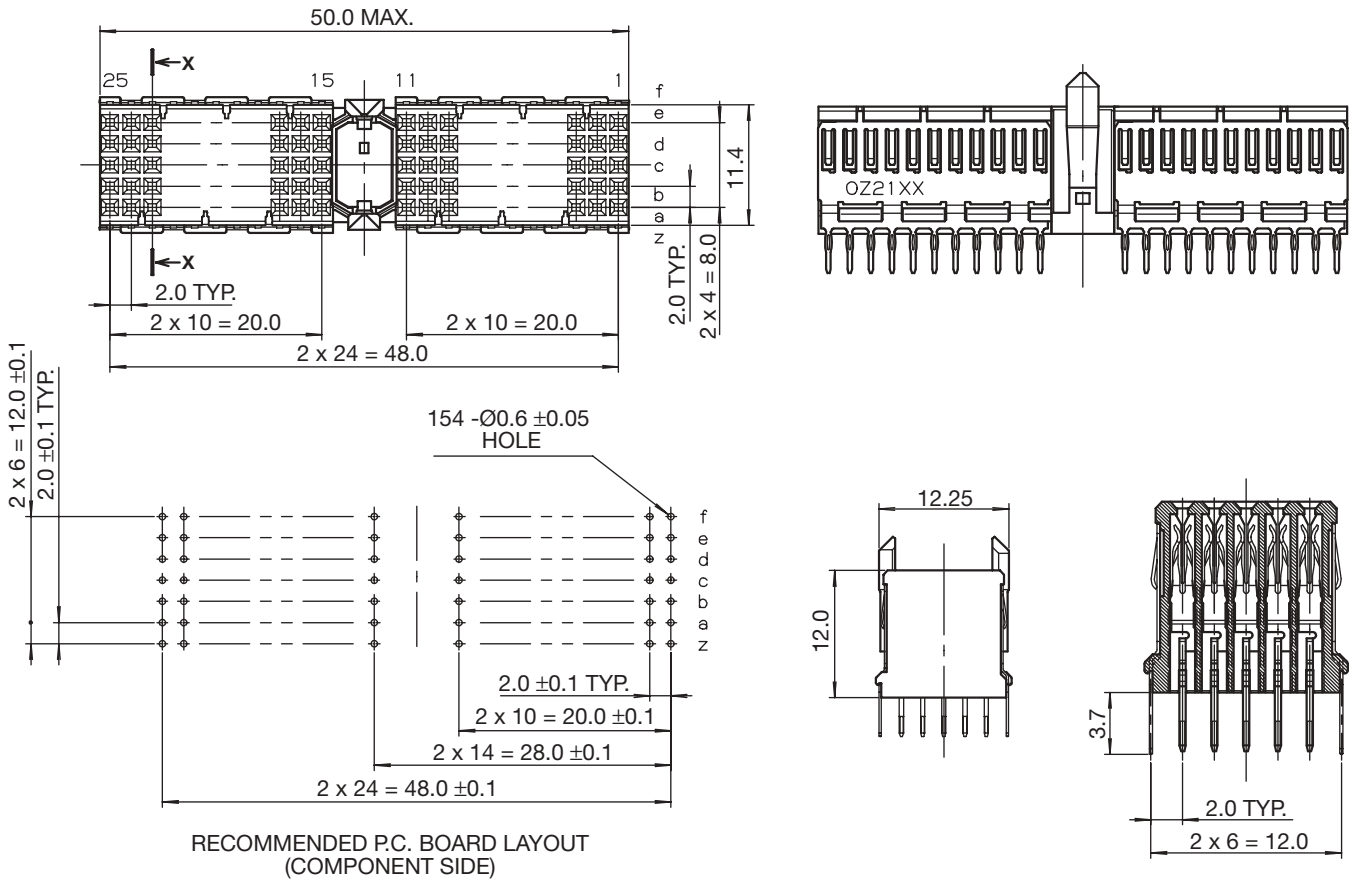
Series 8072



- 110 contacts in a 5 x 25 configuration
- Center cavity with prealignment guides and keying option (uses 3 positions)
- See page 53 for keying options
- Supplied with or without side shields
- Designed for gas tight press-fit installation
- Can be used by itself or in conjunction with Type B & C vertical females

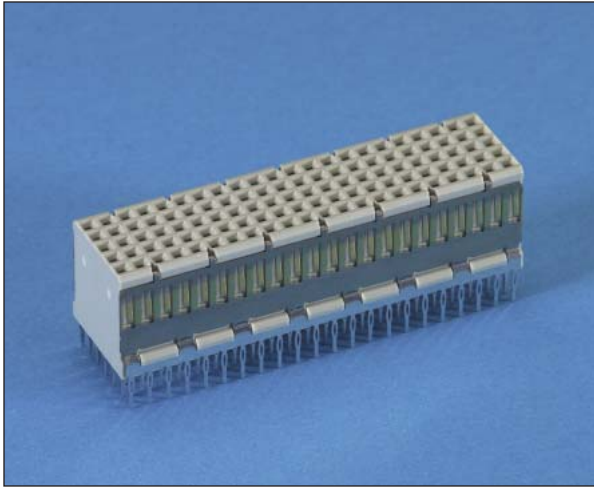
27 8072 110 001 863 = Type A Vertical Female without side shields
27 8072 110 011 863 = Type A Vertical Female with side shields

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



Type B Vertical Female for Backplanes

Series 8072

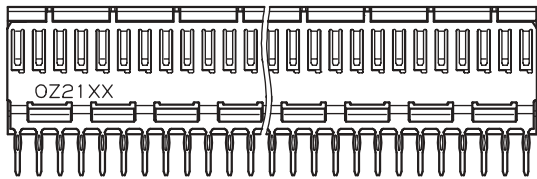
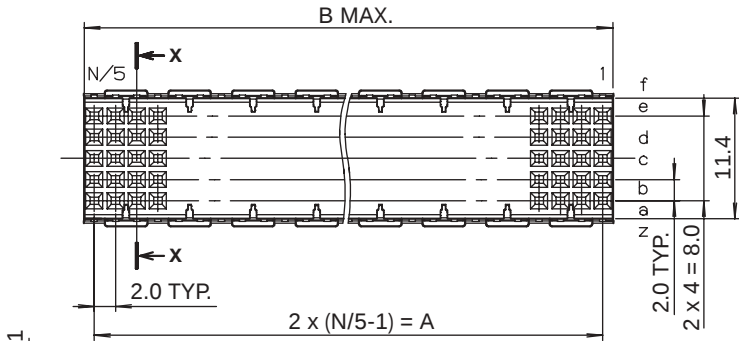


- 95 or 110 contacts in a 5 x 19 or 5 x 22 configuration
- Available with or without side shields
- Designed for gas tight press-fit installation
- These connectors should be used in conjunction with a Type A Vertical Female connector

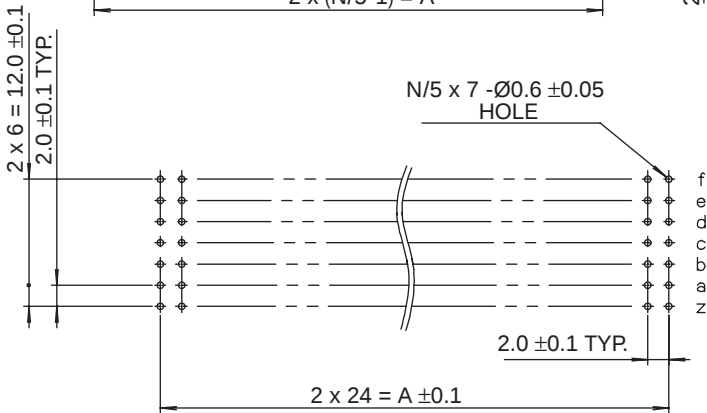
27 8072 095 000 XXX = Type B19 Vertical Female without side shields
27 8072 095 010 XXX = Type B19 Vertical Female with side shields
27 8072 110 000 XXX = Type B22 Vertical Female without side shields
27 8072 110 010 XXX = Type B22 Vertical Female with side shields

XXX =

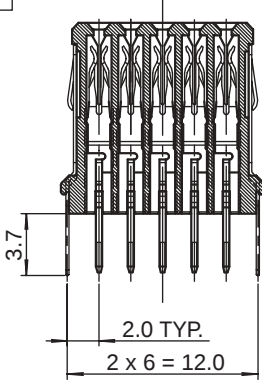
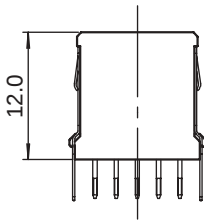
Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



NO. OF POSITIONS	A	B
95	36.0	38.0
110	42.0	44.0

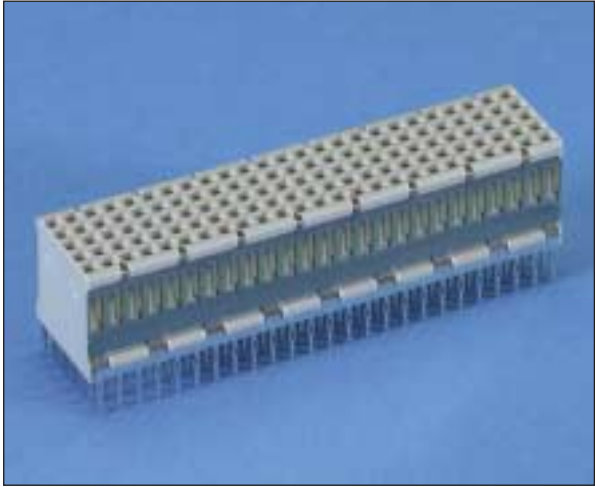


RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)



Type B Vertical Female for Backplanes

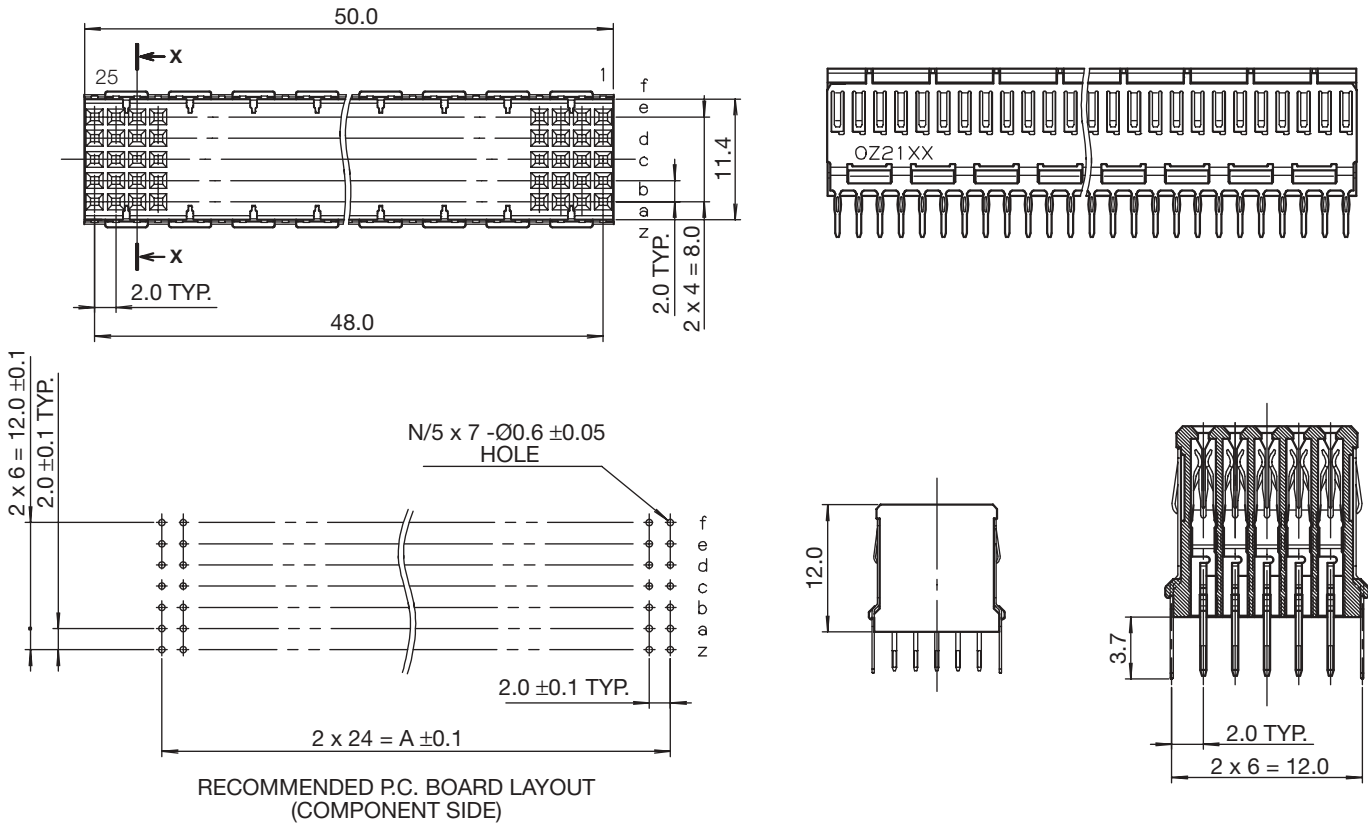
Series 8072



- 125 contacts in a 5 x 25 configuration
- Supplied with or without side shields
- Designed for gas tight press-fit installation
- This connector should be used in conjunction with a Type A Vertical Female connector

27 8072 125 000 863 = Type B25 Vertical Female without side shields
27 8072 125 010 863 = Type B25 Vertical Female with side shields

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



- 82 8071 055 500 XXX** = Type C Lower Shield for 55 position right angle female
82 8071 095 500 XXX = Type B Lower Shield for 95 position right angle female
82 8071 110 500 XXX = Type B Lower Shield for 110 position right angle female
82 8071 110 501 XXX = Type A or AB 25 Lower Shield for 110 position right angle female
82 8071 125 500 XXX = Type B Lower Shield for 125 position right angle female

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm

Technical drawing of a mechanical part, showing a top view, a side view, and a detail view.

Top View: Shows a rectangular plate with a central slot. The overall width is 48.0. The central slot has a width of 8.0. There are two rows of holes, each with 10 holes. The distance between the centerlines of the two rows of holes is 10.0. The distance from the centerline of the holes to the edge of the plate is 10.0. The distance from the centerline of the holes to the centerline of the slot is 10.0.

Side View: Shows the profile of the plate. The overall height is 10.0. The central raised section has a height of 10.0. The distance from the centerline of the holes to the edge of the plate is 10.0. The distance from the centerline of the holes to the centerline of the slot is 10.0.

Detail View: Shows a close-up of the corner of the plate. The detail view shows a 45-degree chamfer on the corner. The distance from the centerline of the holes to the edge of the plate is 10.0. The distance from the centerline of the holes to the centerline of the slot is 10.0.

Technical drawing of a 110POS. ONLY component. The drawing includes a side view and two cross-sectional views labeled DETAIL -E.

Side View: Shows a component with a total width of 110.0 (B.0.3) and a length of 110.0 (C). The component features a series of vertical slots or pins. A dimension of 2.0 TYP. is indicated for the spacing between the pins. A note (0.95) is present.

Cross-sectional Views (DETAIL -E): Two cross-sectional views are shown, labeled (3.0) and (1.0). Both views show a central slot or pin. A note 110POS. ONLY is present.

DETAIL -E: A detailed view of the component, showing a series of vertical slots or pins. A dimension of 4.0 TYP. is indicated for the spacing between the pins. A note (2.95) is present.

ELCO

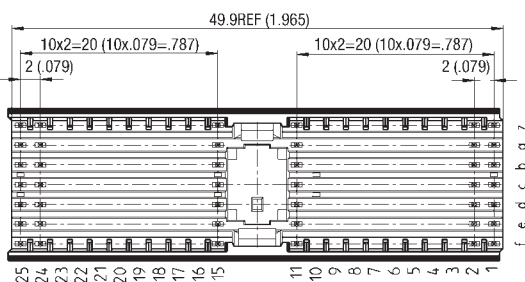
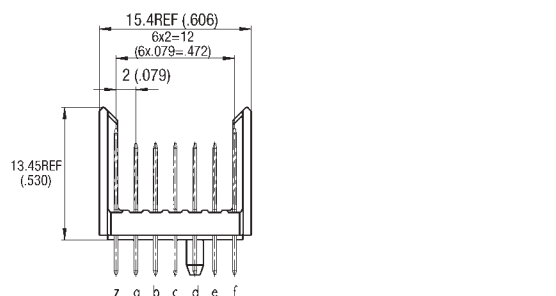
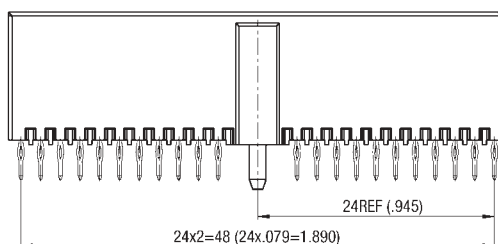
Vertical Male

Style A 25 – 154 Contacts Series 7200

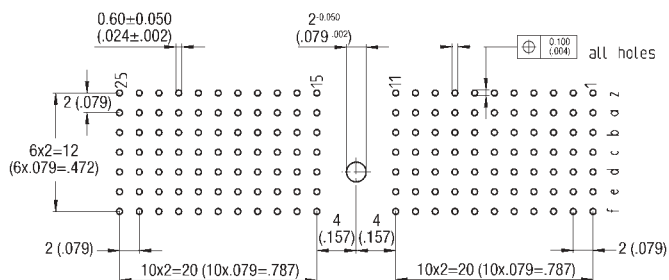


- Up to 110 signal contacts and up to 44 ground shield contacts in 5 or 5+2 rows of 25 positions
- Center cavity with keying option (uses 3 positions)
- See page 53 for keying options
- Designed for gas tight press-fit installations
- This connector can be used by itself or in conjunction with Style B or C connectors
- Twelve different contact styles are available for customizing connector to exact specifications (complete form on page 59)
- Used in positions P1 and P4 of CompactPCI® specification
- Prealignment guides

DIMENSIONS: millimeters (inches)



LAYOUT



Vertical Male

Style A 25 – 154 Contacts



PIN LOADING

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	C
A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	a
A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	b
A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	c
A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	d
A	A	A	A	A	A	A	A	A	A	A				A	A	A	A	A	A	A	A	A	A	e
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	f

Contacts 154 Part Number 17-7200-154-000-002

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	z
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	a
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	b
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	c
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	d
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	e
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	f

Contacts 154 Part Number 17-7200-154-001-002

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T	z
P	P	P	P	P	P	P	P	P	P	P				P	P	P	P	P	P	P	P	P	P	a
P	P	P	P	P	P	P	P	P	P	P				P	P	P	P	P	P	P	P	P	P	b
P	P	P	P	P	P	P	P	P	P	P				P	P	P	P	P	P	P	P	P	P	c
P	P	P	P	P	P	P	P	P	P	P				P	P	P	P	P	P	P	P	P	P	d
P	P	P	P	P	P	P	P	P	P	P				P	P	P	P	P	P	P	P	P	P	e
T	T	T	T	T	T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T	f

Contacts 154 Part Number 17-7200-154-002-005

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T	z
R	R	R	R	R	R	R	R	R	R	R				R	R	R	R	R	R	R	R	R	R	a
R	R	R	R	R	R	R	R	R	R	R				R	R	R	R	R	R	R	R	R	R	b
R	R	R	R	R	R	R	R	R	R	R				R	R	R	R	R	R	R	R	R	R	c
R	R	R	R	R	R	R	R	R	R	R				R	R	R	R	R	R	R	R	R	R	d
R	R	R	R	R	R	R	R	R	R	R				R	R	R	R	R	R	R	R	R	R	e
T	T	T	T	T	T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T	f

Contacts 154 Part Number 17-7200-154-003-005

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
K	K	K	K	K	K	K	K	K	K	K				K	K	K	K	K	K	K	K	K	K	a
K	K	K	K	K	K	K	K	K	K	K				K	K	K	K	K	K	K	K	K	K	b
K	K	K	K	K	K	K	K	K	K	K				K	K	K	K	K	K	K	K	K	K	c
K	K	K	K	K	K	K	K	K	K	K				K	K	K	K	K	K	K	K	K	K	d
K	K	K	K	K	K	K	K	K	K	K				K	K	K	K	K	K	K	K	K	K	e
T	T	T	T	T	T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T	f

Contacts 154 Part Number 17-7200-154-004-005

CompactPCI® P1 / P4

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	z
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	a
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	b
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	c
B	B	B	B	B	B	B	B	B	B	B				A	B	B	B	B	B	B	B	B	B	d
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	e
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	f

Contacts 154 Part Number 17-7200-154-005-002

CompactPCI® Hot Swap

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	z
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	a
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	b
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	c
B	B	B	B	B	B	B	B	B	B	B				A	B	B	B	B	B	B	B	B	B	d
B	B	B	B	B	B	B	B	B	B	B				B	B	B	B	B	B	B	B	B	B	e
C	C	C	C	C	C	C	C	C	C	C				C	C	C	C	C	C	C	C	C	C	f

Contacts 154 Part Number 17-7200-154-006-002

CompactPCI®

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
P	P	P	P	P	P	P	P	P	P	P				T										z
P	P	P	P	P	P	P	P	P	P	P				T										a
P	P	P	P	P	P	P	P	P	P	P				T										b
P	P	P	P	P	P	P	P	P	P	P				T										c
P	P	P	P	P	P	P	P	P	P	P				T										d
P	P	P	P	P	P	P	P	P	P	P				T										e
T	T	T	T	T	T	T	T	T	T	T				T										f

Contacts 100 Part Number 17-7200-100-007-005

CompactPCI® Computer Telephony

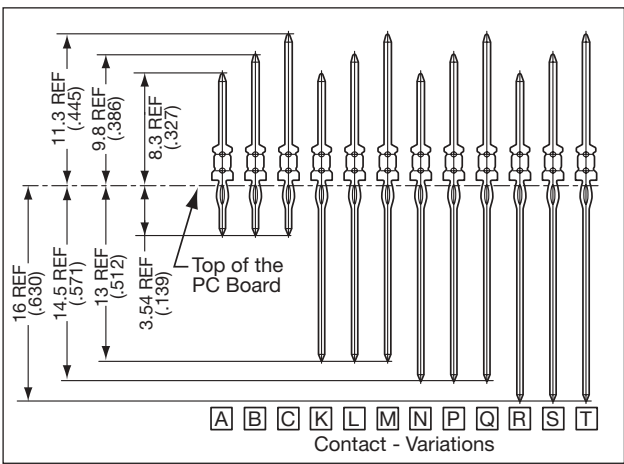
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B	B	B	B	B	B	B	B	B	B	B				C										z
B	B	B	B	B	B	B	B	B	B	B														a
B	B	B	B	B	B	B	B	B	B	B														b
B	B	B	B	B	B	B	B	B	B	B														c
B	B	C	C	C	C	C	C	C	C	C														d
B	B	C	B	B	B	B	B	B	B	B				G										e
C	C	C	C	C	C	C	C	C	C	C														f

Contacts 100 Part Number 17-7200-100-008-002

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
S	S	S	S	S	S	S	S	S	S	S				S	S	S	S	S	S	S	S	S	S	z
S	S	S	S	S	S	S	S	S	S	S				S	S	S	S	S	S	S	S	S	S	a
S	S	S	S	S	S	S	S	S	S	S				S	S	S	S	S	S	S	S	S	S	b
S	S	S	T	T	T	T	T	T	T	T				S	S	S	S	S	S	T	T	T	T	c
S	S	T	S	T	S	T	S	T	S	T				S	S	T	S	T	S	S	T	S	S	d
S	S	S	S	S	S	S	S	S	S	S				S	S	S	S	S	S	S	S	S	S	e
T	T	T	T	T	T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T	f

Contacts 132 Part Number 17-7200-132-009-005

Technical description and dimensions see page 3



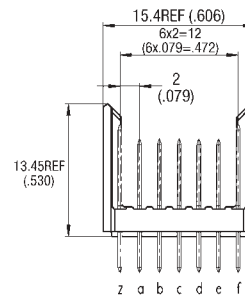
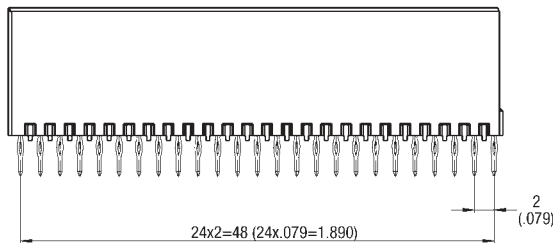
Vertical Male

Style B 25 – 175 Contacts Series 7200

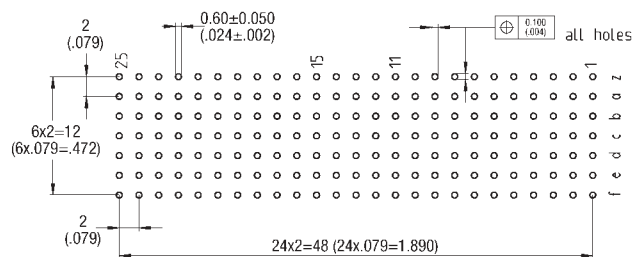
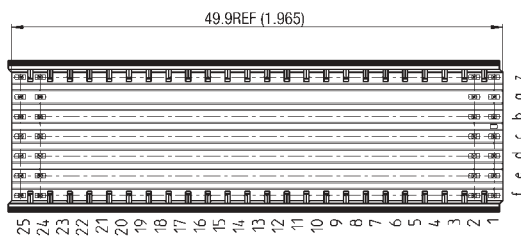


- Up to 125 signal contacts and up to 50 ground shield contacts in 5 or 5+2 rows of 25 positions
- Designed for gas tight press-fit installations
- This connector should be used in conjunction with Style A connector
- Twelve different contact styles are available for customizing connector to exact specifications (complete form on page 59)

DIMENSIONS: millimeters (inches)



LAYOUT



Vertical Male

Style B 25 – 175 Contacts



PIN LOADING

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Contacts 175 Part Number 17-7200-175-100-002

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Contacts 175 Part Number 17-7200-175-101-002

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Contacts 175 Part Number 17-7200-175-102-005

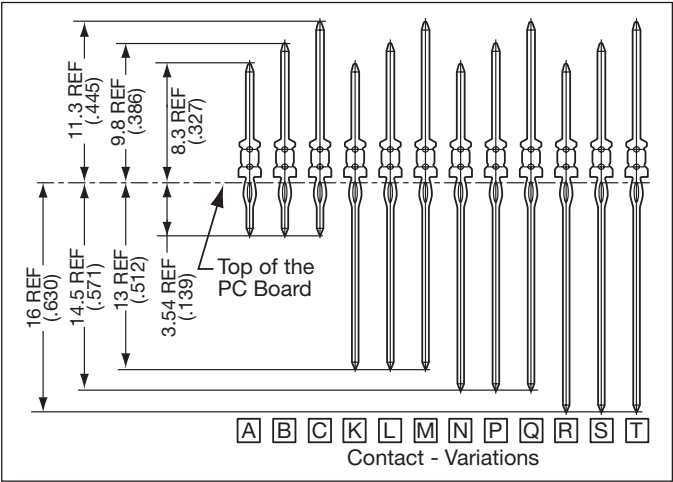
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T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Contacts 175 Part Number 17-7200-175-103-005

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
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K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Contacts 175 Part Number 17-7200-175-104-005

Technical description and dimensions see page 3



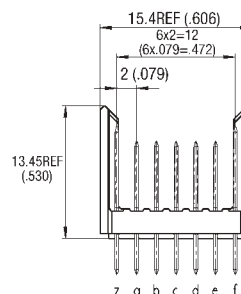
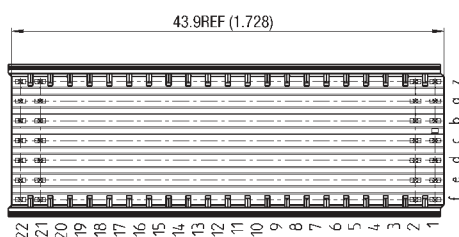
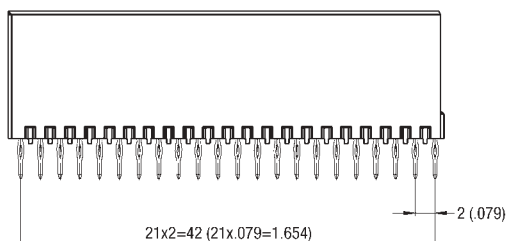
Vertical Male

Style B 22 – 154 Contacts Series 7200

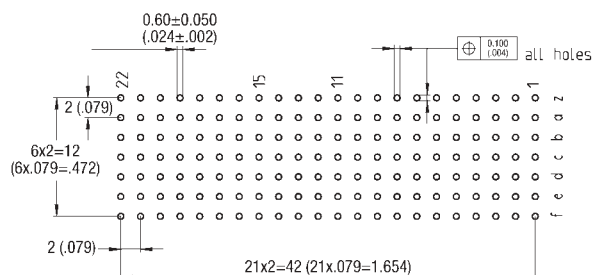


- Up to 110 signal contacts and up to 44 ground shield contacts in 5 or 5+2 rows of 22 positions
- Designed for gas tight press-fit installations
- Used in position P2 and P5 of the CompactPCI® specification
- Should be used in conjunction with a type A connector
- Twelve different contact styles are available for customizing connector to exact specifications (complete form on page 59)

DIMENSIONS: millimeters (inches)



LAYOUT



Vertical Male

Style B 22 – 154 Contacts



PIN LOADING

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Contacts 154 Part Number 17-7200-154-200-002

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Contacts 154 Part Number 17-7200-154-201-002

P2/ P5 CompactPCI®

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Contacts 154 Part Number 17-7200-154-202-005

P2/ P5 CompactPCI®

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Contacts 154 Part Number 17-7200-154-203-005

P2/ P5 CompactPCI®

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

Contacts 154 Part Number 17-7200-154-204-005

CompactPCI® Computer Telephony

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

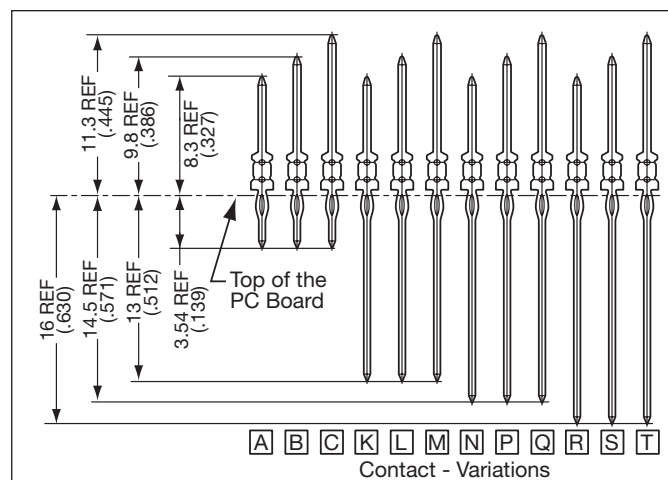
Contacts 132 Part Number 17-7200-132-210-005

CompactPCI® Computer Telephony

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Contacts 132 Part Number 17-7200-132-211-002

Technical description and dimensions see page 3



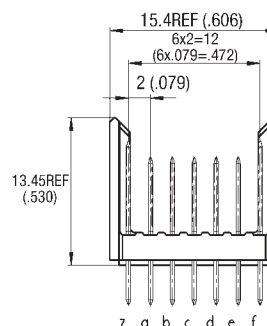
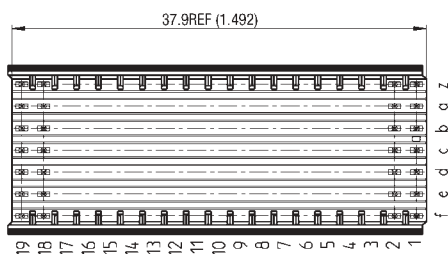
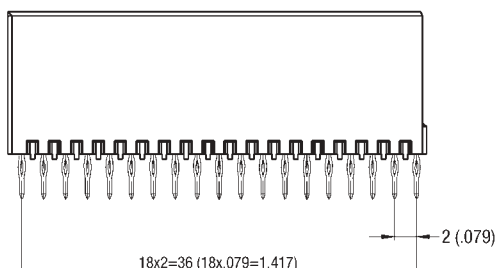
Vertical Male

Style B 19 – 133 Contacts Series 7200

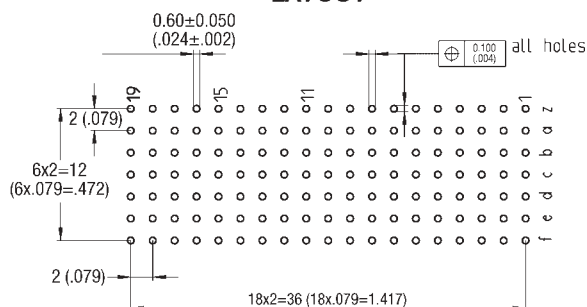


- Up to 95 signal contacts and up to 38 ground shield contacts in 5 or 5+2 rows of 19 positions
- Designed for gas tight press-fit installations
- This connector fills position P3 of the CompactPCI® specification and should be used with a type A connector
- Twelve different contact styles are available for customizing connector to exact specifications (complete form on page 59)
- This connector also fills position J0 of the VME64 Extension Specification

DIMENSIONS: millimeters (inches)



LAYOUT



Vertical Male

Style B 19 – 133 Contacts



PIN LOADING

P3 CompactPCI®

19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	z
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	a
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	b
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	c
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	d
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	e
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	f

Contacts 133 Part Number 17-7200-133-300-002

P3 CompactPCI®

19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	z
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	a
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	b
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	c
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	d
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	e
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	f

Contacts 133 Part Number 17-7200-133-303-005

P3 CompactPCI®

19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	z
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	a
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	b
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	c
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	d
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	e
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	f

Contacts 133 Part Number 17-7200-133-301-002

P3 CompactPCI®

19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	z
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	a
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	b
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	c
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	d
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	e
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	f

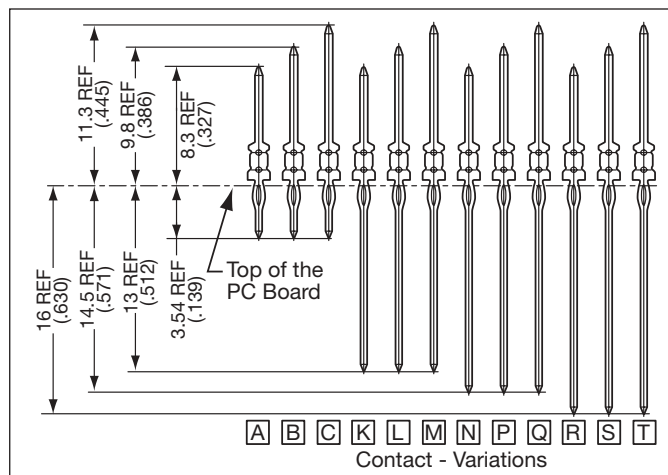
Contacts 133 Part Number 17-7200-133-304-005

P3 CompactPCI®

19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	z
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	a
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	b
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	c
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	d
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	e
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	f

Contacts 133 Part Number 17-7200-133-302-005

Technical description and dimensions see page 3



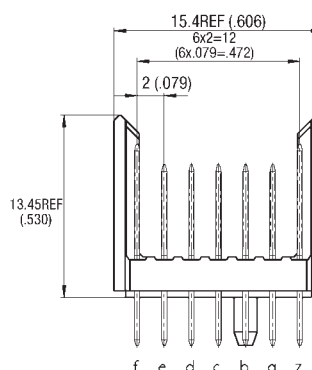
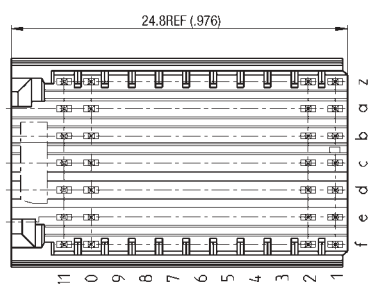
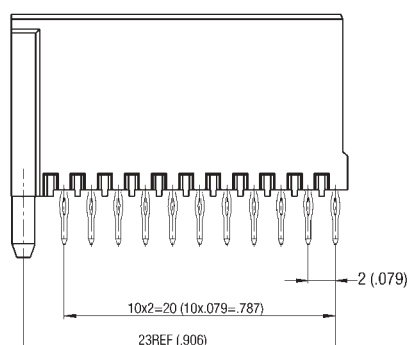
Vertical Male

Style C 11 – 77 Contacts Series 7200

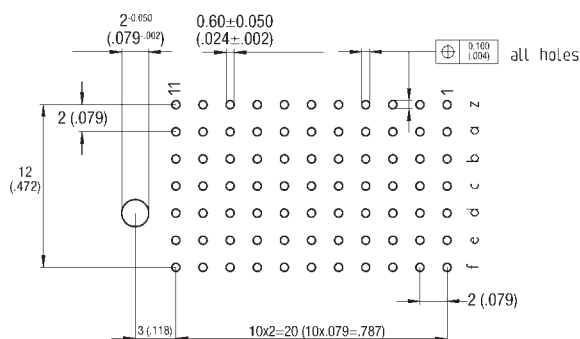


- Up to 55 signal contacts and up to 22 ground shield contacts in 5 or 5+2 rows of 11 positions
- This connector is designed for end positions only
- Designed for gas tight press-fit installations
- Twelve different contact styles are available for customizing connector to exact specifications (complete form on page 59)
- This connector should be used in conjunction with a Style A connector

DIMENSIONS: millimeters (inches)



LAYOUT



Vertical Male

Style C 11 – 77 Contacts



PIN LOADING

11	10	9	8	7	6	5	4	3	2	1	
C	C	C	C	C	C	C	C	C	C	C	z
A	A	A	A	A	A	A	A	A	A	A	a
A	A	A	A	A	A	A	A	A	A	A	b
A	A	A	A	A	A	A	A	A	A	A	c
A	A	A	A	A	A	A	A	A	A	A	d
A	A	A	A	A	A	A	A	A	A	A	e
C	C	C	C	C	C	C	C	C	C	C	f

Contacts 77 Part Number 17-7200-077-400-002

11	10	9	8	7	6	5	4	3	2	1	
T	T	T	T	T	T	T	T	T	T	T	z
R	R	R	R	R	R	R	R	R	R	R	a
R	R	R	R	R	R	R	R	R	R	R	b
R	R	R	R	R	R	R	R	R	R	R	c
R	R	R	R	R	R	R	R	R	R	R	d
R	R	R	R	R	R	R	R	R	R	R	e
T	T	T	T	T	T	T	T	T	T	T	f

Contacts 77 Part Number 17-7200-077-403-005

11	10	9	8	7	6	5	4	3	2	1	
C	C	C	C	C	C	C	C	C	C	C	z
B	B	B	B	B	B	B	B	B	B	B	a
B	B	B	B	B	B	B	B	B	B	B	b
B	B	B	B	B	B	B	B	B	B	B	c
B	B	B	B	B	B	B	B	B	B	B	d
B	B	B	B	B	B	B	B	B	B	B	e
C	C	C	C	C	C	C	C	C	C	C	f

Contacts 77 Part Number 17-7200-077-401-002

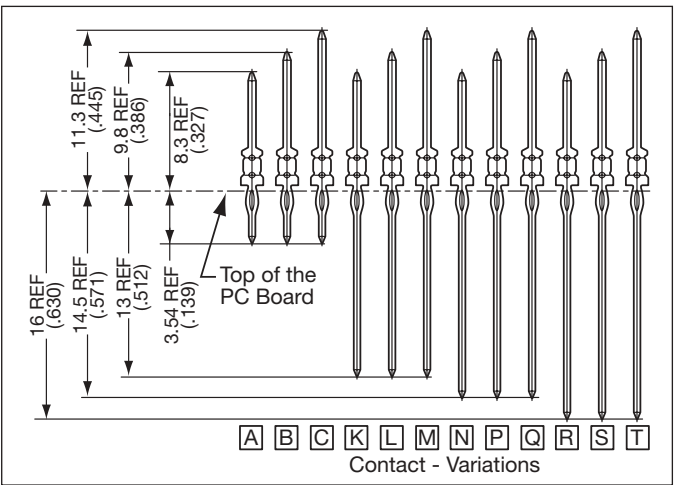
11	10	9	8	7	6	5	4	3	2	1	
T	T	T	T	T	T	T	T	T	T	T	z
K	K	K	K	K	K	K	K	K	K	K	a
K	K	K	K	K	K	K	K	K	K	K	b
K	K	K	K	K	K	K	K	K	K	K	c
K	K	K	K	K	K	K	K	K	K	K	d
K	K	K	K	K	K	K	K	K	K	K	e
T	T	T	T	T	T	T	T	T	T	T	f

Contacts 77 Part Number 17-7200-077-404-005

11	10	9	8	7	6	5	4	3	2	1	
T	T	T	T	T	T	T	T	T	T	T	z
P	P	P	P	P	P	P	P	P	P	P	a
P	P	P	P	P	P	P	P	P	P	P	b
P	P	P	P	P	P	P	P	P	P	P	c
P	P	P	P	P	P	P	P	P	P	P	d
P	P	P	P	P	P	P	P	P	P	P	e
T	T	T	T	T	T	T	T	T	T	T	f

Contacts 77 Part Number 17-7200-077-402-005

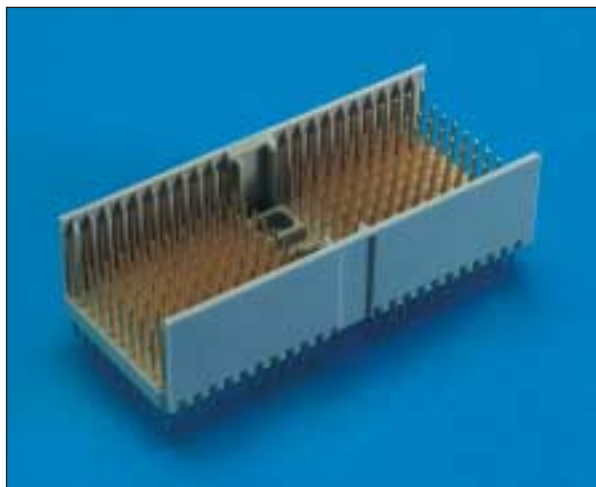
Technical description and dimensions see page 3



Type D Vertical Male for Backplanes



Series 8077



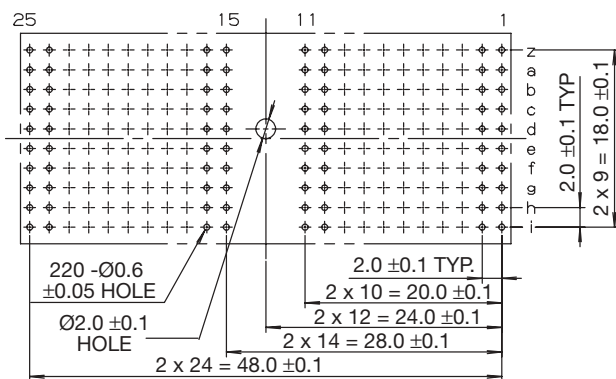
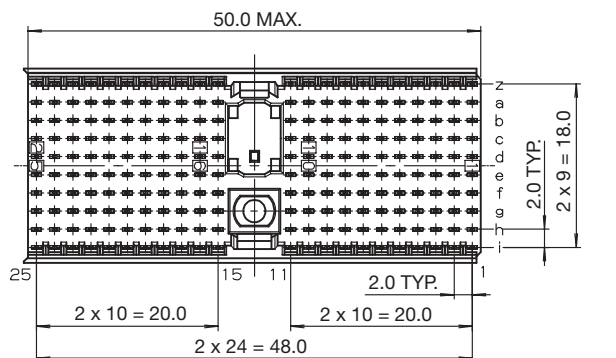
- 176 signal contacts plus 44 ground shield contacts in 8+2 x 25 position configuration
- Center cavity with keying option (uses 3 positions)
- Prealignment guides
- Designed for gas tight press-fit installation
- See page 53 for keying options
- This connector can be used by itself or in conjunction with Style E or F connectors
- Twelve different contact styles available for customizing connector to exact specifications (see page 60)

17 8077 220 501 XXX = 176 signal contacts and 44 ground contacts, Short Tail, L2,3

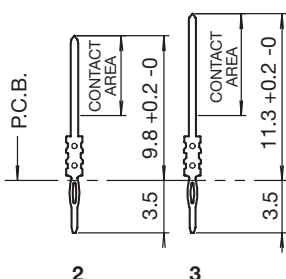
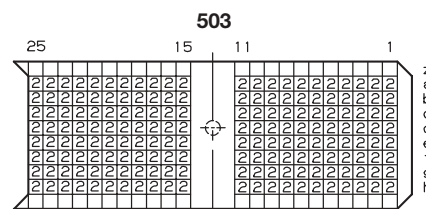
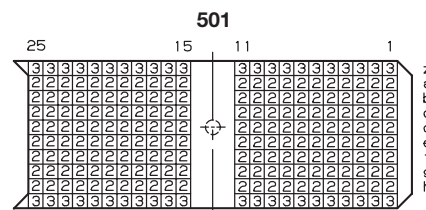
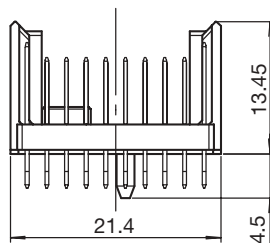
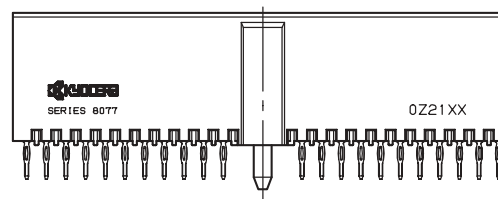
17 8077 176 503 XXX = 176 signal contacts, no ground contacts, Short Tail, L2

XXX =

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



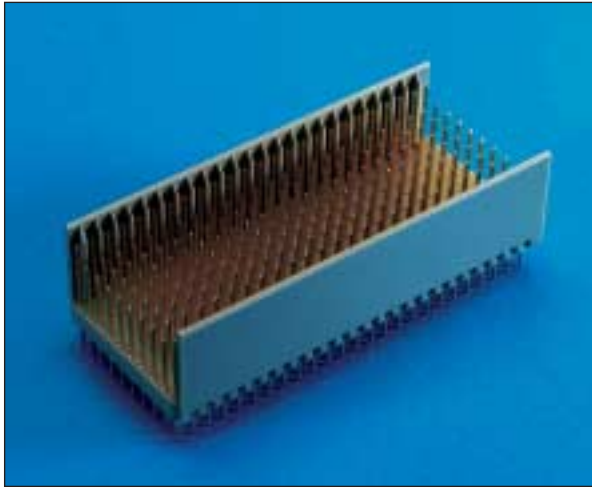
RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)



CONTACT DETAIL

Type E Vertical Male for Backplanes

Series 8077



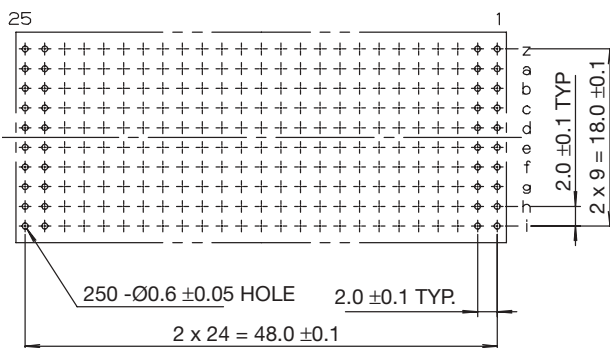
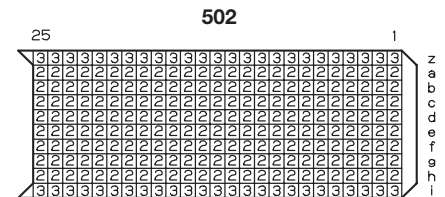
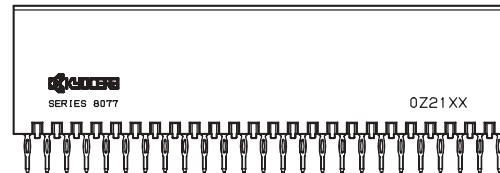
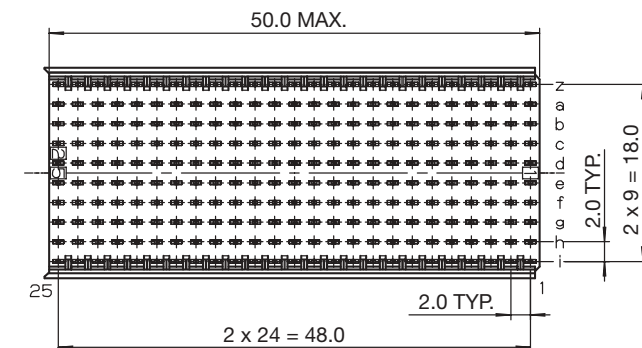
- 250 signal contacts and 50 ground shield contacts in 8+2 x 25 position configuration
- Designed for gas tight press-fit installation
- This connector should be used in conjunction with a Type D style to ensure proper mating alignment
- Twelve different contact styles are available for customizing connector to exact specifications (see page 60)

17 8077 250 502 XXX = 250 signal contacts and 50 ground contacts, Short Tail, L2,3

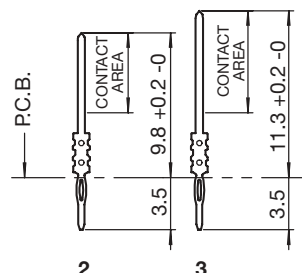
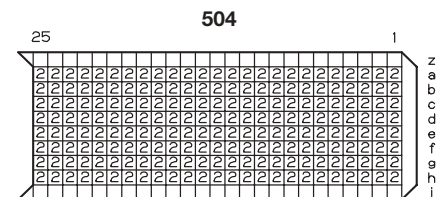
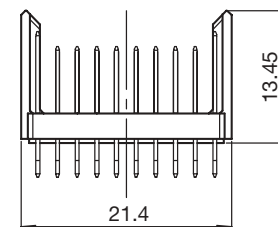
17 8077 200 504 XXX = 250 signal contacts, no ground contacts, Short Tail, L2

XXX =

Plating Code	Contact Area	Press-fit Area	Under Coat
833	0.1µm min. Au.65µm Pd/Ni	1.5-3.0µm Solder	Nickel 1.2-3.0µm
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm

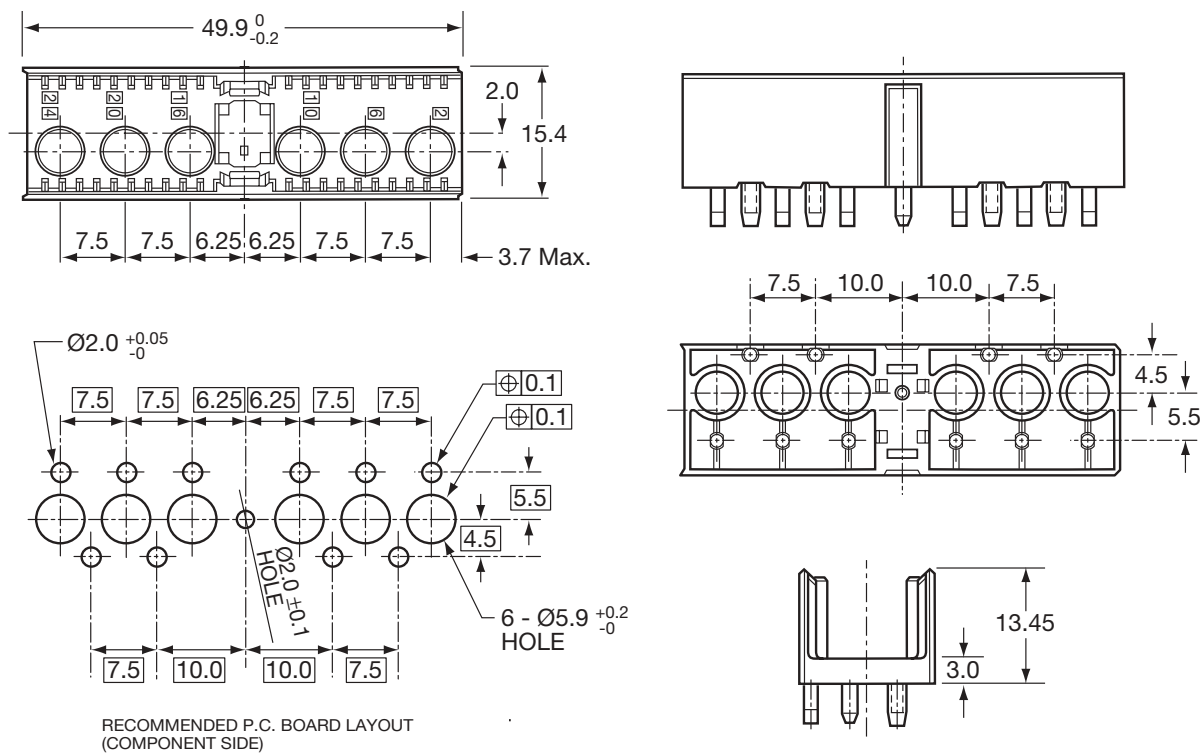


RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)



CONTACT DETAIL

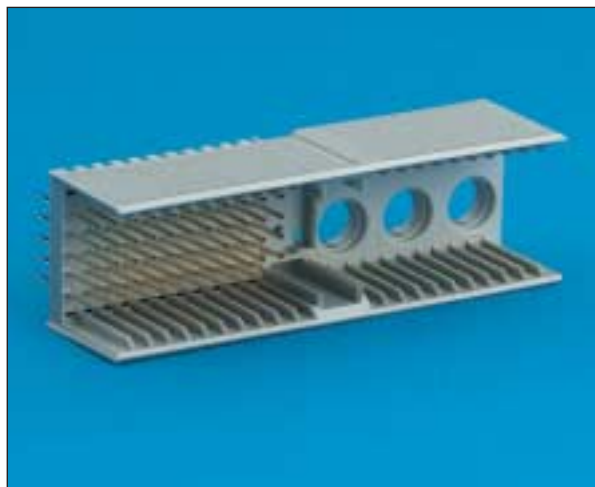
- 61 8074 006 001 007** = Type L 6 position power connector with polarizing key, (housing only)



Type M Vertical Male Feed-To for Backplanes



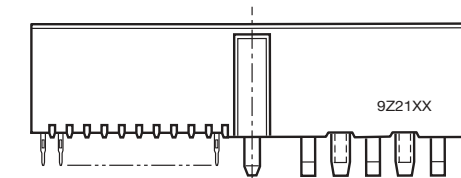
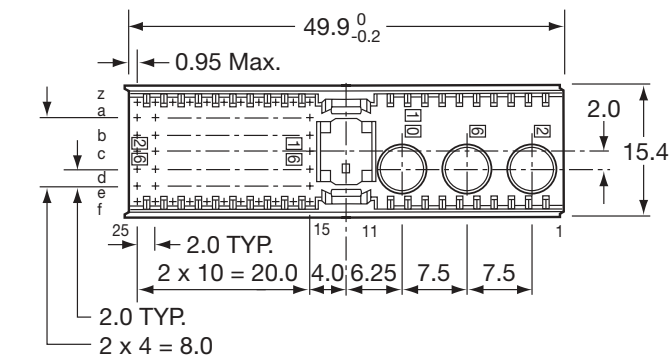
Series 8075



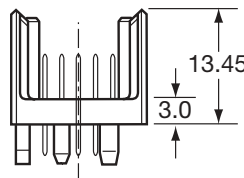
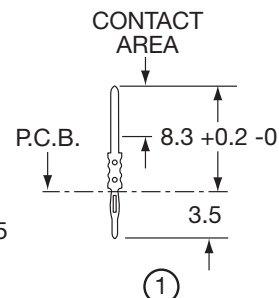
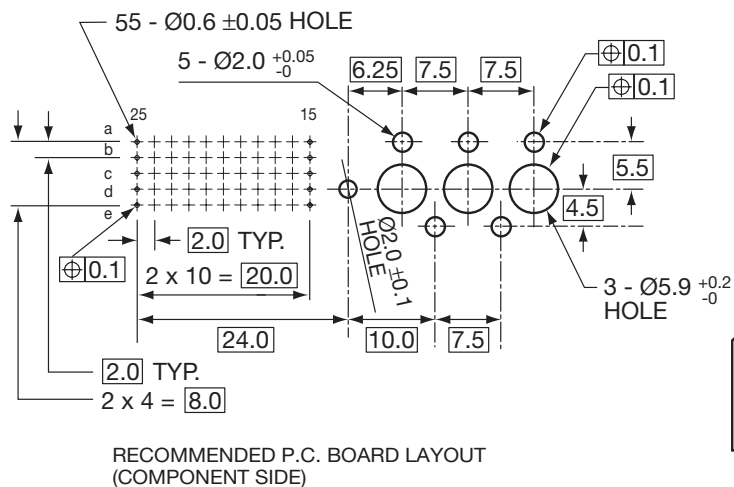
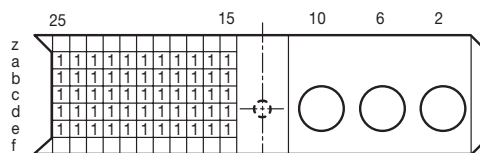
- 3 power contact cavities
- 55 signal contacts
- Center cavity with prealignment guides and keying option
- See page 53 for keying options
- Designed for gas tight press-fit installation
- Supplied with locating pegs for secure P.C. board mounting
- Power and coax contacts are ordered separately
- See pages 56 and 57 for available contacts
- Twelve different signal contact styles are available for customizing connector to exact specifications (see page 60)

17 8075 355 501 863 = Type M 3 position power connector with polarizing key, with 55 signal contacts, L1

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



CONTACT LAYOUT
(CONNECTOR MATING SIDE SHOWN)



Type A Right Angle Male for Daughter Cards

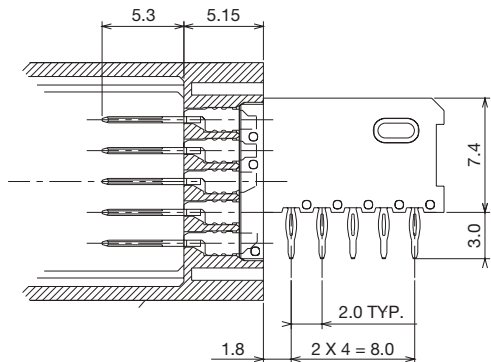
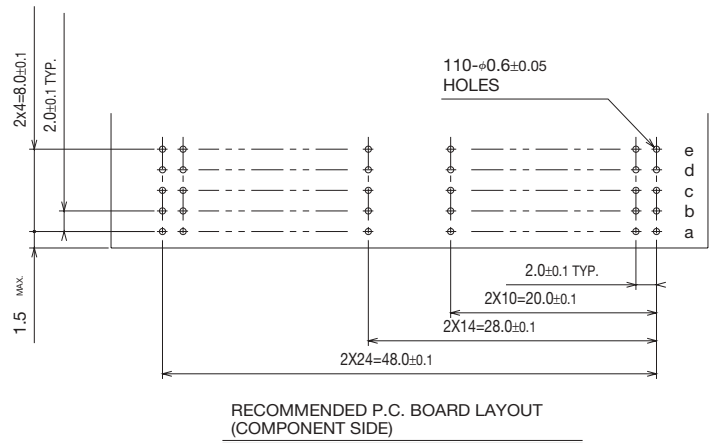
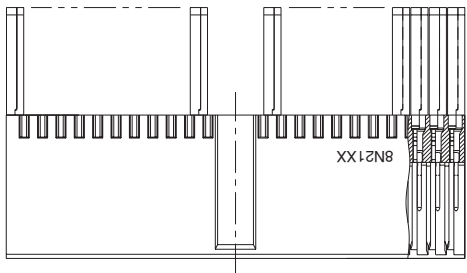
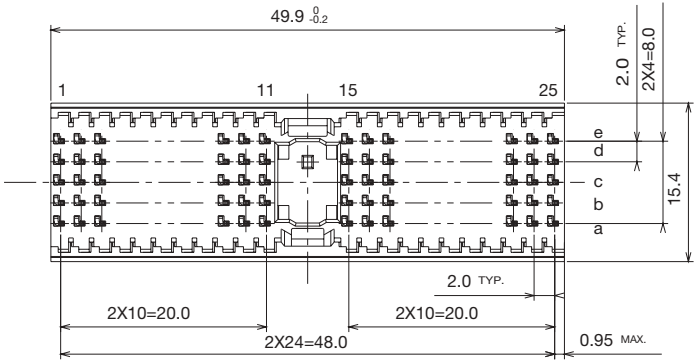
Series 8072



- 110 signal contacts
- Designed for gas tight press-fit installation
- Center cavity with prealignment guides and keying option (uses 3 positions)
- This connector can be used by itself or in conjunction with Style B or C connectors
- See page 53 for keying options
- Daughter card applications

17 8072 110 001 863 = Type A Right Angle Male

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



Type B Right Angle Male for Daughter Cards

Series 8072



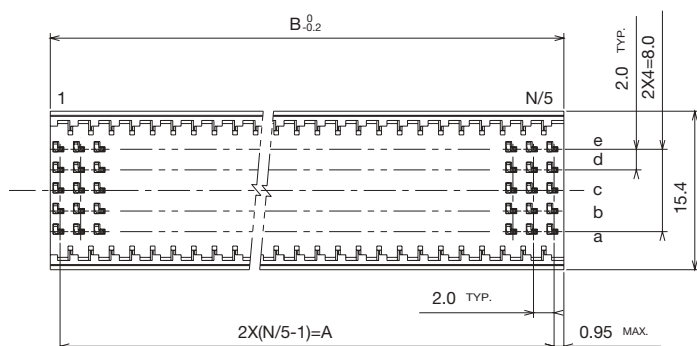
- 95, 110, 125 signal contacts
- Designed for gas tight press-fit installation
- This connector should be used in conjunction with a Type A style to ensure proper alignment
- Daughter card applications

17 8072 095 000 863 = Type B 19 Right Angle Male, 5x19 Positions

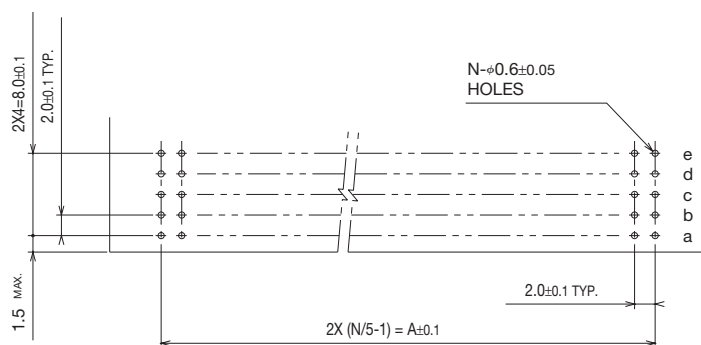
17 8072 110 000 863 = Type B 22 Right Angle Male, 5x22 Positions

17 8072 125 000 863 = Type B 25 Right Angle Male, 5x25 Positions

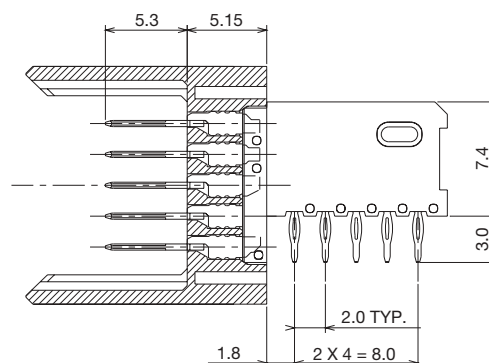
Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



P/N	A	B
17 8072 095 000 863	36.0	37.9
17 8072 110 000 863	42.0	43.9
17 8072 125 000 863	48.0	49.9



RECOMMENDED P.C. BOARD LAYOUT
(COMPONENT SIDE)



Type C Right Angle Male for Daughter Cards

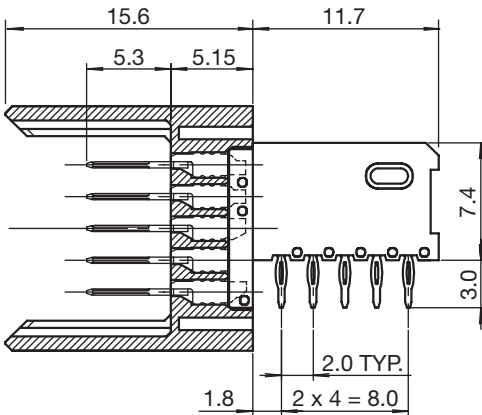
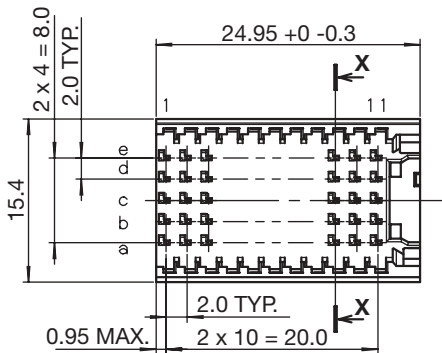
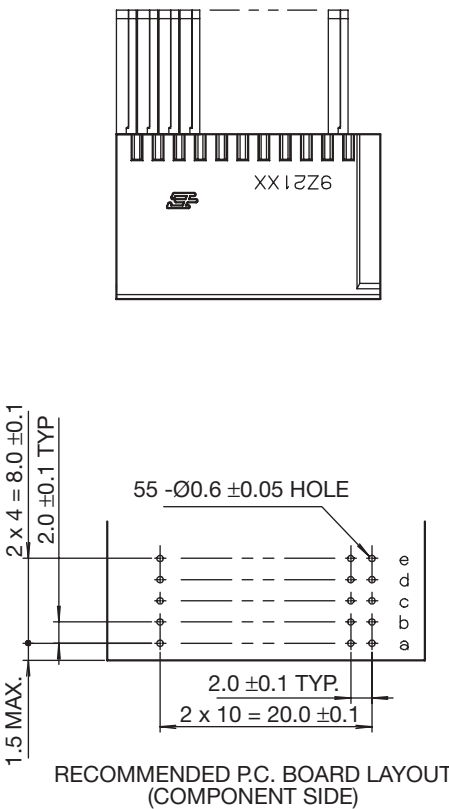
Series 8072



- 55 signal contacts in a 5 x 11 position configuration
- Prealignment guide
- Designed for gas tight press-fit installation
- This connector should be used in conjunction with Style A & B connectors
- Used for end position only

17 8072 055 001 863 = 55 signal contacts

Plating Code	Contact Area	Press-fit Area	Under Coat
863	0.76µm min. Au	1.5-3.0µm Solder	Nickel 1.2-3.0µm



Shroud

Type B for Midplane and Rear I/O Assemblies Series 7200

- Use in conjunction with feedthru connectors
- When installed over the long tails, a male connector is created
- Enables rear Input/Output or midplane applications with daughter cards or cable assemblies
- No spacer required
- 3 heights available to accommodate different board thicknesses
- Other versions available upon request

67 7200 6114 00 000 = B 175 cavities (25 position) L=3,0; PCB Thickness 4,8mm

67 7200 6124 00 000 = B 175 cavities (25 position) L=3,9; PCB Thickness 4,0mm

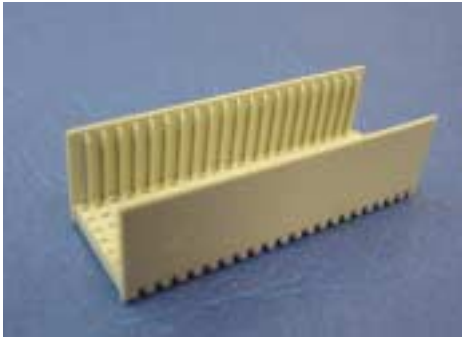
67 7200 6164 00 000 = B 175 cavities (25 position) L=4,7; PCB Thickness 3,2mm



67 7200 6214 00 000 = B 154 cavities (22 position) L=3,0; PCB Thickness 4,8mm

67 7200 6224 00 000 = B 154 cavities (22 position) L=3,9; PCB Thickness 4,0mm

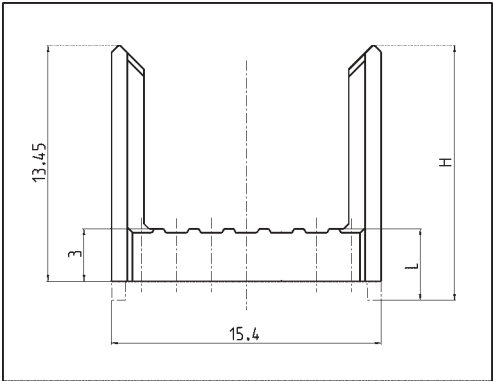
67 7200 6264 00 000 = B 154 cavities (22 position) L=4,7; PCB Thickness 3,2mm



67 7200 6314 00 000 = B 133 cavities (19 position) L=3,0; PCB Thickness 4,8mm

67 7200 6324 00 000 = B 133 cavities (19 position) L=3,9; PCB Thickness 4,0mm

67 7200 6364 00 000 = B 133 cavities (19 position) L=4,7; PCB Thickness 3,2mm



Shroud

Type A and C for Midplane and Rear I/O Assemblies Series 7200



- Used in conjunction with feedthru connectors
- When installed over the long tails, a male connector is created
- Used in conjunction with feedthru connectors
- When installed over the long tails, a male connector is created
- Enables rear Input/Output or midplane applications with daughter cards or cable assemblies
- No spacer required
- 3 heights available to accommodate different board thicknesses
- Other versions available upon request

67 7200 6014 00 000 = P1, P4 Type A 154 cavities (22 position)
L=3,0; PCB Thickness 4,8mm

67 7200 6024 00 000 = P1, P4 Type A 154 cavities (22 position)
L=3,9; PCB Thickness 4,0mm

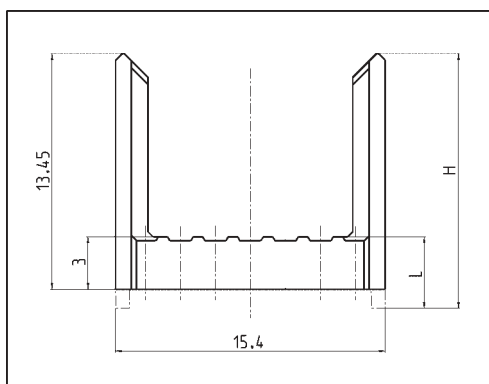
67 7200 6064 00 000 = P1, P4 Type A 154 cavities (22 position)
L=4,7; PCB Thickness 3,2mm



67 7200 6414 00 000 = Type C 77 cavities (11 position) L=3,0;
PCB Thickness 4,8mm

67 7200 6424 00 000 = Type C 77 cavities (11 position) L=3,9;
PCB Thickness 4,0mm

67 7200 6464 00 000 = Type C 77 cavities (11 position)
L=4,7; PCB Thickness 3,2mm



Shroud

Type D for Midplane and Rear I/O Assemblies

Series 8077



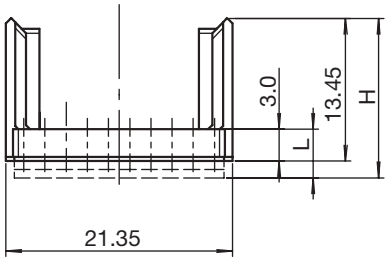
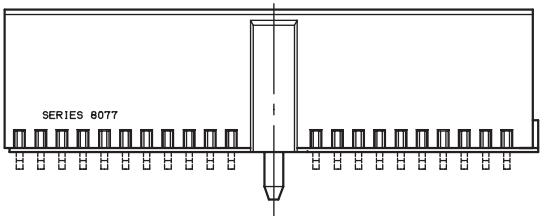
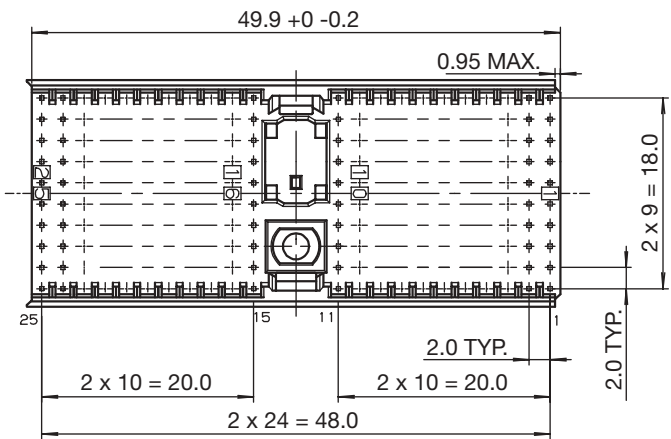
Photo
Not
Available

- Used in conjunction with male feedthru connectors
- When installed over the long tails, a male connector is created
- Enable rear Input/Output of midplane applications with daughter cards or cable assemblies
- No spacer required
- Three heights available to accommodate different board thicknesses
- See page 53 for keying options

61 8077 220 301 007 = Type D 220 cavities L = 3.0, H = 13.45, PCB Thickness: 4.8mm

61 8077 220 311 007 = Type D 220 cavities L = 3.8, H = 14.25, PCB Thickness: 4.0mm

61 8077 220 321 007 = Type D 220 cavities L = 4.6, H = 15.05, PCB Thickness: 3.8mm



VARIATION CODE	L	H	PCB THICKNESS
301	3.0	13.45	t = 4.80mm
311	3.8	14.25	t = 4.00mm
321	4.6	15.05	t = 3.20mm

Shroud

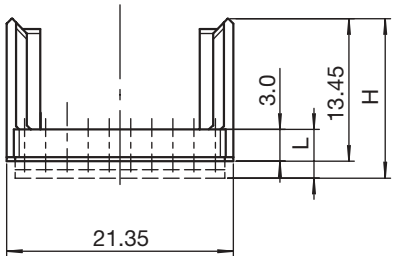
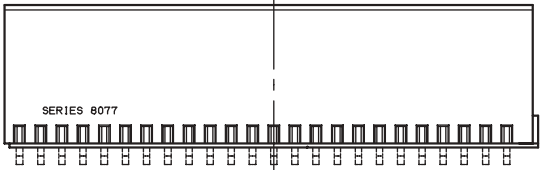
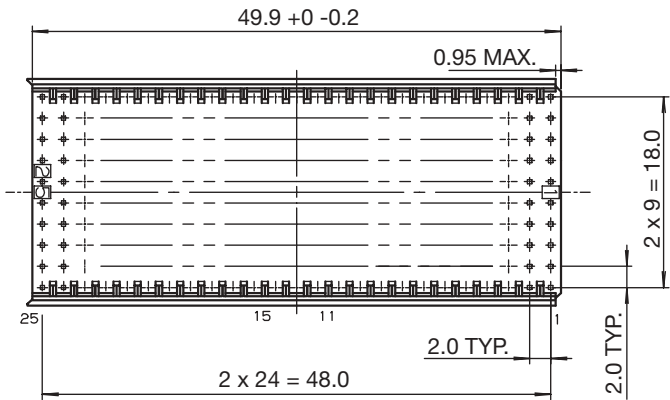
Type E for Midplane and Rear I/O Assemblies

Series 8077

Photo
Not
Available

- Used in conjunction with 8 + 2 row male feedthru connectors
- When installed over the long tails, a male connector is created
- Enable rear Input/Output of midplane applications with daughter cards or cable assemblies
- No spacer required
- Three heights available to accommodate different board thicknesses

61 8077 250 301 007 = Type E 250 cavities L = 3.0, H = 13.45, PCB Thickness: 4.8mm
61 8077 250 311 007 = Type E 250 cavities L = 3.8, H = 14.25, PCB Thickness: 4.0mm
61 8077 250 321 007 = Type E 250 cavities L = 4.6, H = 15.05, PCB Thickness: 3.8mm

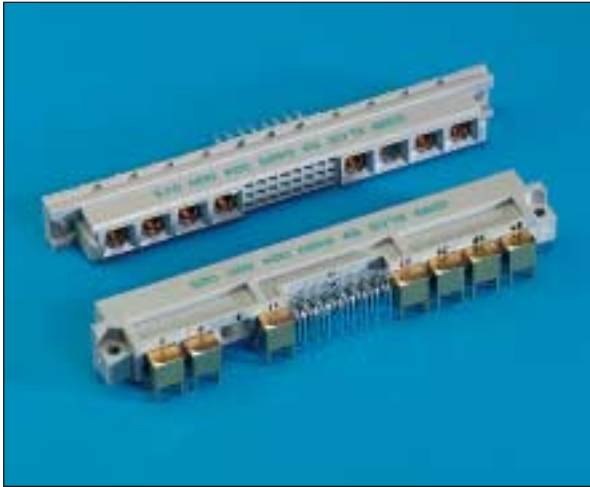


VARIATION CODE	L	H	PCB THICKNESS
301	3.0	13.45	t = 4.80mm
311	3.8	14.25	t = 4.00mm
321	4.6	15.05	t = 3.20mm

Style M DIN EuroCard Power Connector



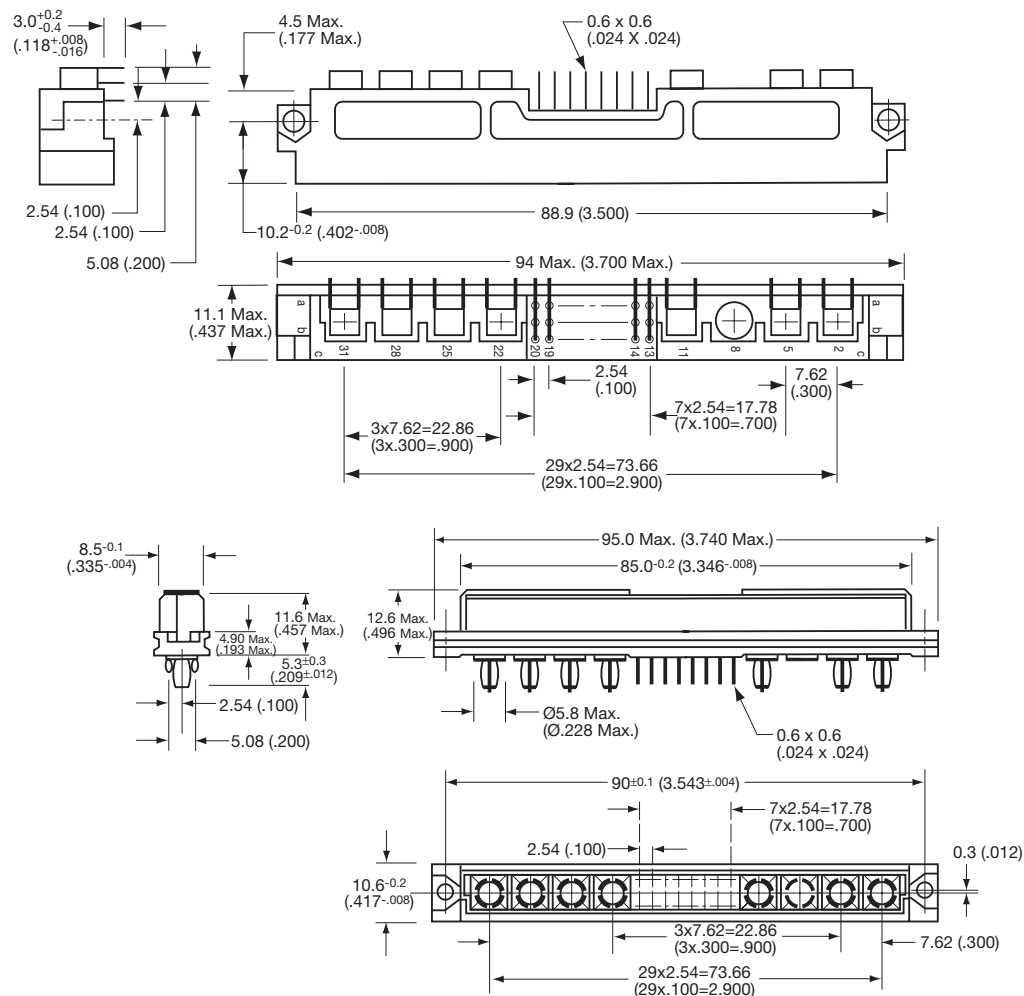
Series 8483/8485



- 7 power contacts
- 24 signal contacts
- Designed for gas tight press-fit installation
- Connector in accordance with DIN41612
- Contacts in accordance with DNB41626
- Male designed for daughter card applications
- Female designed for backplane applications
- Designed for CompactPCI® 3V and 6V boards

59 8483 024 000 025 = Male, Right Angle, 7 Power and 24 Signal Contacts

59 8485 024 000 015 = Female, Vertical, 7 Power and 24 Signal Contacts



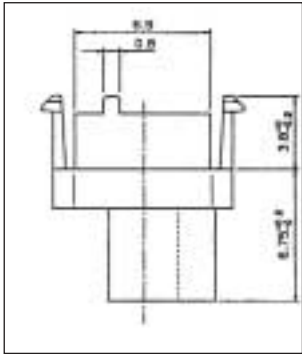
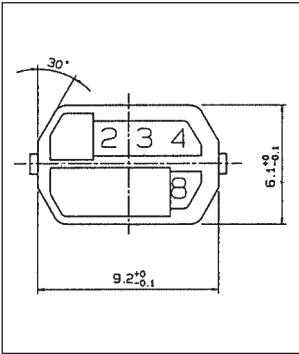
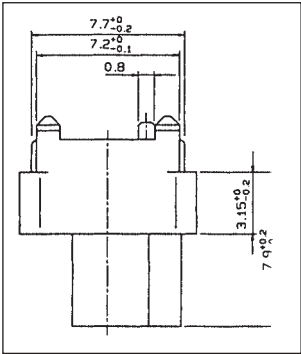
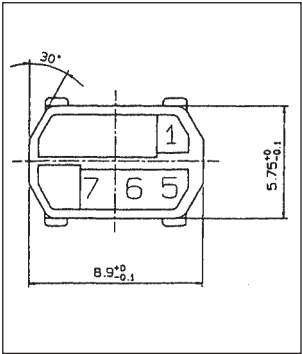
Coding Keys: Type A Male (Backplane) Type A Female (Daughter Card)



Series 8071

CompactPCI® supports two types of voltages (3.3V and 5.0V). Coding keys are used to prevent damage by inserting the wrong boards into a system. Keys are snapped into the center

polarization cavity. 3.3V cards are coded cadmium yellow and 5.0V are brilliant blue.



MALE

101 003	102 006	103 008	104 002
Cadmium Yellow	Brilliant Blue	Pastel Orange	Strawberry Red

FEMALE

101 003	102 006	103 008	104 002
Cadmium Yellow	Brilliant Blue	Pastel Orange	Strawberry Red

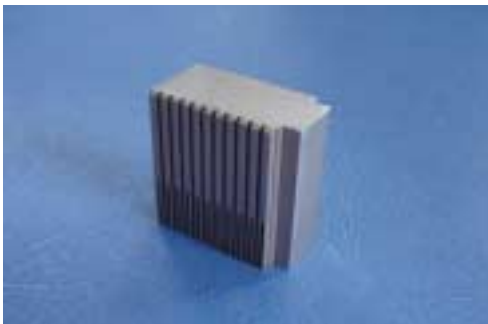
Color	Ral Number	Code No.	Key Part Number	Plug/Receptacle
Cadmium Yellow	1021	3456	81 8071 000 101003	Plug 3.3V C-PCI
Brilliant Blue	5007	1567	81 8071 000 102006	Plug 5.0V C-PCI
Pastel Orange	2003	3568	81 8071 000 103008	Plug
Strawberry Red	3018	1248	81 8071 000 104002	Plug
Cadmium Yellow	1021	1278	82 8071 000 101003	Receptacle 3.3V C-PCI
Brilliant Blue	5007	2348	82 8071 000 102006	Receptacle 5.0V C-PCI
Pastel Orange	2003	1247	82 8071 000 103008	Receptacle
Strawberry Red	3018	3567	82 8071 000 104002	Receptacle



AVX 2mm hard metric female connectors are designed to enable a press-fit operation without special press-fit tools. Due to the flat surface at the connector only a “flat rock” tool is needed.

The modular tool system for straight headers allows a rowing of tools to enable multiple press-fit operations. So it will be possible to press in one operation for example one Style A connector together with one Style B and C.

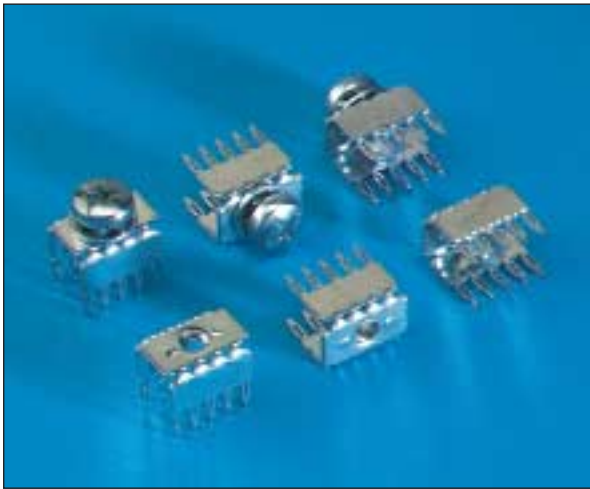
PART NUMBER SYSTEM

Style A 25 with coding 06 7200 0104 00 000	
Style B 25 Style B 22 Style B 19 06 7200 0105 00 000 06 7200 0103 00 000 06 7200 0102 00 000	
Style C 11 06 7200 0101 00 000	

Power Pack Connectors



Series 2525



- Efficient system for high current distribution in backplane applications
- Press-in element for power connection for P.C. boards
- VARIPIN™ press-fit design
- 30A current rating
- Several different connection versions available
- Suitable for circuit boards with .063 (1.6mm) minimum thickness
- Plating SnPb over Ni

37 2525 0213 01 001 = M 4 thread, with flat tabs, with hardware

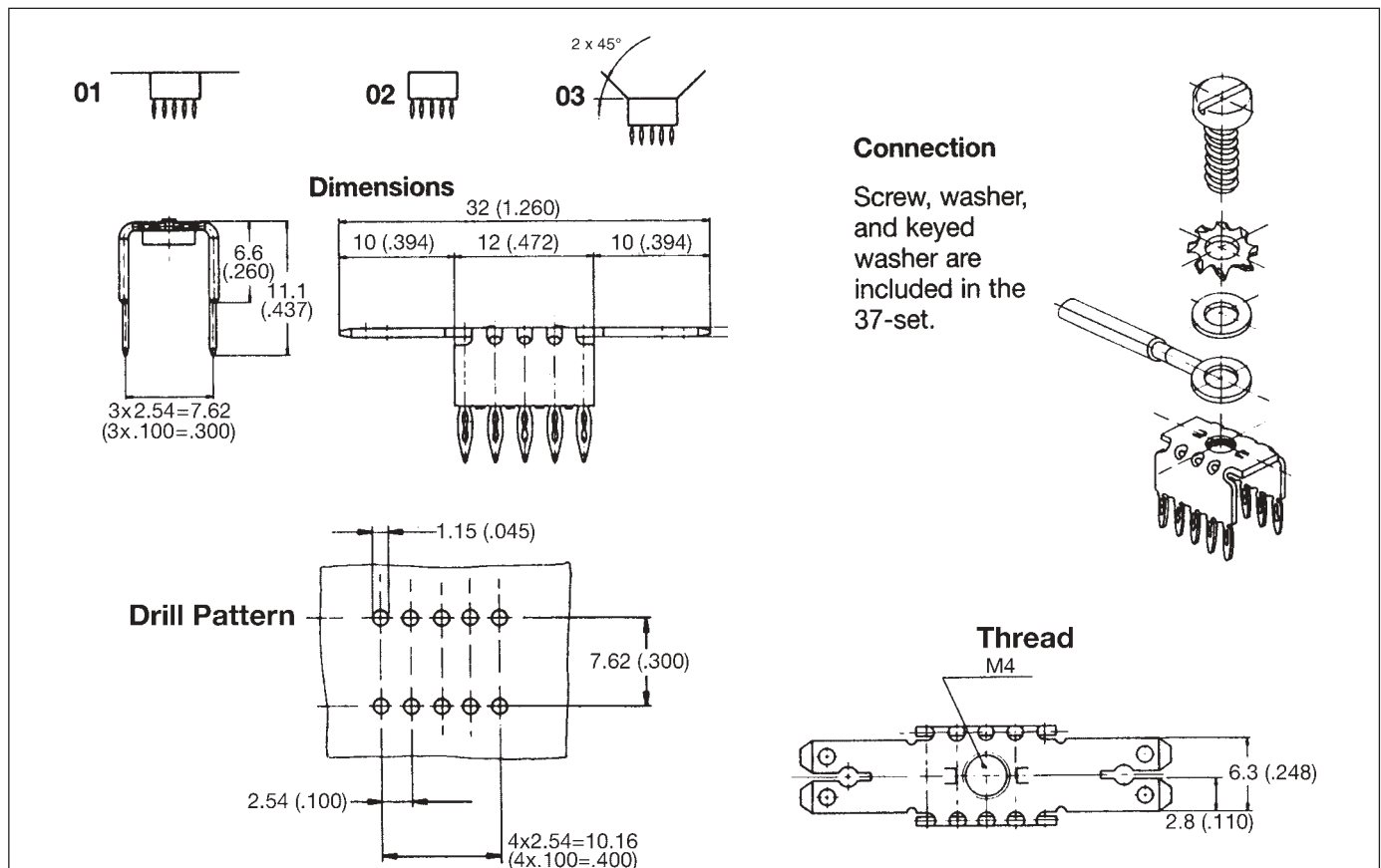
37 2525 0213 02 001 = M 4 thread, without tabs, with hardware

37 2525 0213 03 001 = M 4 thread, with 45 degree tabs

67 2525 0213 01 489 = M 4 thread, with flat tabs, without hardware

67 2525 0213 02 489 = M 4 thread, without tabs, without hardware

67 2525 0213 03 489 = M 4 thread, with 45 degree tabs



High Power Contacts for L, M, and N Connectors



Series 8489

HIGH POWER PLUG CONTACT FOR PLUG SERIES 8074/8075

Variation	Termination	ØA*	Performance	Ordering Code
	SOLDER	.189 (4.80)	40 Ampere max.	60 8489 040 001 049
	SOLDER	.138 (3.50)	30 Ampere max.	60 8489 040 002 049
	SOLDER	.110 (2.80)	20 Ampere max.	60 8489 040 003 049
	SOLDER	.067 (1.70)	10 Ampere max.	60 8489 040 004 049
	CRIMP	.189 (4.80)	40 Ampere max.	60 8489 040 005 049
	CRIMP	.138 (3.50)	30 Ampere max.	60 8489 040 006 049
	CRIMP	.110 (2.80)	20 Ampere max.	60 8489 040 007 049
	CRIMP	.067 (1.70)	10 Ampere max.	60 8489 040 008 049

HIGH POWER RECEPTACLE CONTACT FOR RECEPTACLE SERIES 8074/8075

Variation	Termination	ØA*	Performance	Ordering Code
	P.C.	Contact	40 Ampere max.	60 8489 050 009 049
	SOLDER	.189 (4.80)	40 Ampere max.	60 8489 050 001 049
	SOLDER	.138 (3.50)	30 Ampere max.	60 8489 050 002 049
	SOLDER	.110 (2.80)	20 Ampere max.	60 8489 050 003 049
	SOLDER	.067 (1.70)	10 Ampere max.	60 8489 050 004 049
	CRIMP	.189 (4.80)	40 Ampere max.	60 8489 050 005 049
	CRIMP	.138 (3.50)	30 Ampere max.	60 8489 050 006 049
	CRIMP	.110 (2.80)	20 Ampere max.	60 8489 050 007 049
	CRIMP	.067 (1.70)	10 Ampere max.	60 8489 050 008 049

CRIMPING PLIER FOR HIGH POWER CONTACTS

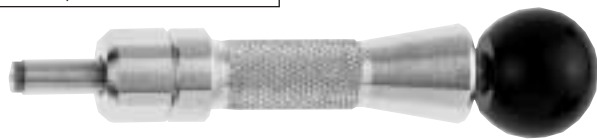
Part Number

06 8489 001 010 000



EXTRACTION TOOL FOR ALL CONTACT TYPES

Part Number	Length
06 8489 001 001 000	2.755 (70.00)
06 8489 001 002 000	7.874 (200.00)
66 8489 001 003 000	Replacement tip



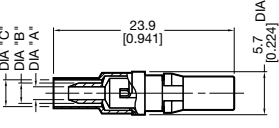
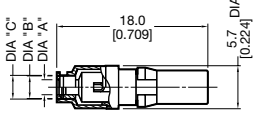
Coax Contacts for L, M, and N Connectors



Series 8489

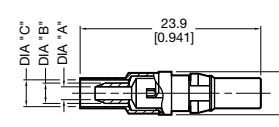
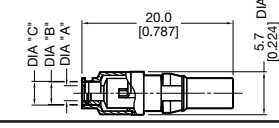
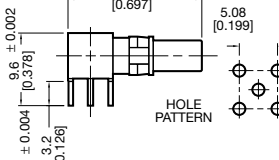
COAX PLUG CONTACT FOR SERIES 8074/8075

Dimensions: mm/inches

Variation	Termination		Dimensions			Wire Type	Order Code
	Outer Conductor	Inner Conductor	ØA	ØB	ØC		Perf. Class I
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 196, 178	60 8489 020 001 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 179, 316 (single), RG 187	60 8489 020 002 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.58/0.141	RG 316 (braided), RG 187 (double)	60 8489 020 003 049
	SOLDER	SOLDER	1.30/0.051	1.90/0.075	2.20/0.087	RG 178	60 8489 020 004 049
	SOLDER	SOLDER	2.25/0.089	2.90/0.114	3.20/0.126	RG 179	60 8489 020 005 049

COAX RECEPTACLE CONTACT FOR SERIES 8074/8075

Dimensions: mm/inches

Variation	Termination		Dimensions			Wire Type	Order Code
	Outer Conductor	Inner Conductor	ØA	ØB	ØC		Perf. Class I
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.55/0.140	RG 187	60 8489 030 001 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 316, RG 179, RG 188, RG 174	60 8489 030 002 049
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 178	60 8489 030 003 049
	SOLDER	SOLDER	2.25/0.089	2.90/0.114	3.20/0.126	RG 179	60 8489 030 004 049
	SOLDER	SOLDER	1.30/0.051	1.90/0.075	2.20/0.087	RG 178	60 8489 030 005 049
	P.C.	P.C.					60 8489 030 008 049

CRIMPING PLIER FOR COAX CONTACTS (WITHOUT CRIMPING INSERTS)*

Part Number

36 8489 001 020 001



CRIMPING INSERTS

Elco Part Number	Cable Type
66 8489 00 102 1 000	RG 196 A/U RG 178 B/U
66 8489 00 102 2 000	RG 188 A/U RG 174 A/U RG 316 /U RG 179 B/U RG 187 A/U
66 8489 00 102 3 000	RG 316 /U

Special Contacts for L, M, and N Connectors



TECHNICAL DATA

	Coaxial Contacts	High Current Contacts
Contact Material	copper alloy	copper alloy
Contact Plating	gold over nickel	gold over nickel
Performance Class	1 - 500 mating cycles	1 - 500 mating cycles
Insulator Material	PTFE	
Temperature Range	-55°C ~ +125°C	-55°C ~ +125°C
Maximum Current	0.5 ampere	10, 20, 30, 40 ampere
Operating Voltage	250 V eff.	
Peak Voltage	750 V eff.	
Contact Resistance	3 Mohm max. (1) 10 Mohm max. (2)	< 1 Mohm max.
Insulation Resistance	10,000,000 Mohm	
Insertion Force (max.)	10 N	10 N
Retention Force (min.)	0.9 N	1.6 N
Characteristic Impedance	50 Ohm	
Working Frequency	ca. 30 GHz max. 0-10 GHz opt.	
Reflection Coefficient	max. 0.05 to 1 GHz max. 0.07 to 4 GHz max. 0.1 to 10 GHz	

(1) Outer Conductor

(2) Inner Conductor

Connectors Type D, E, F

2mm Hard-Metric Custom Design Worksheet



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Tel: 843-946-0634

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Tel: (65) 258-2833

Name _____ Title _____

Company _____ email _____

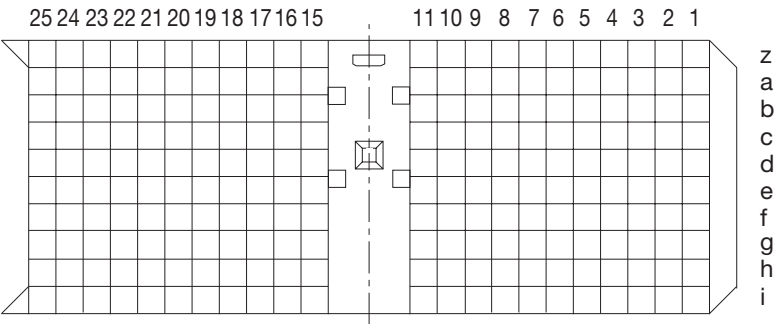
Address _____

City _____ State _____ Zip _____

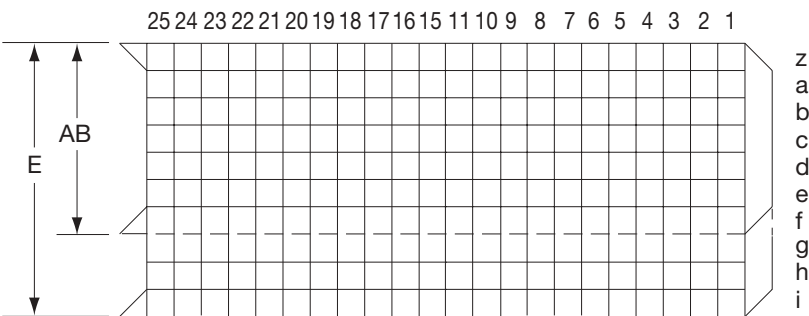
Telephone _____ Fax _____

For special loading configuration for your application, use this form. Select the grid diagram that applies to the type connector style you need. Fill in each block with the pin style (from the table) that you need. Please leave unloaded positions or rows blank.

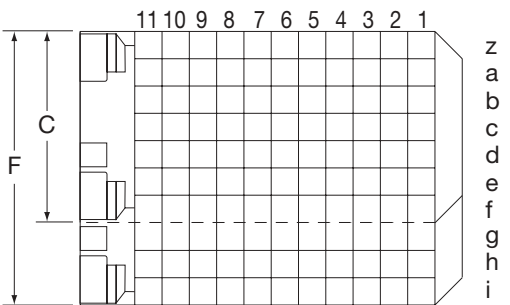
TYPE D



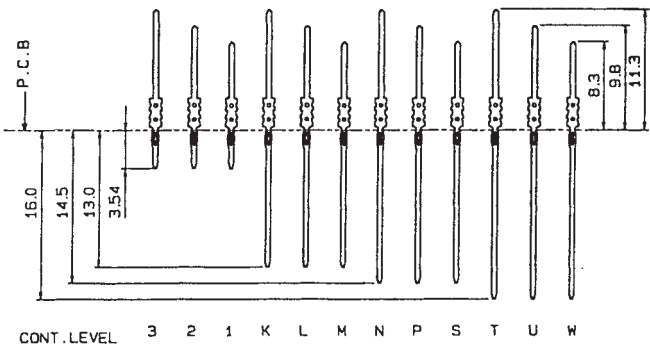
TYPE AB (7 ROW) TYPE E (10 ROW)



TYPE C (7 ROW) TYPE F (10 ROW)



CONTACT STYLES



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Elco Multi-Line Module Connector

2mm Hard-Metric for CompactPCI®



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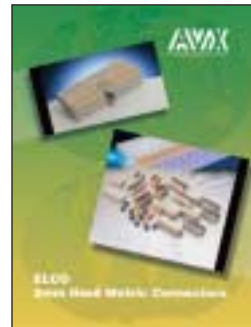
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