

ELCO

A Division Of AVX Corporation



**DIN
Connectors**

Index by DIN Style

ELCO

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Index by Series Number

ELCO

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The international standard

Today's high-density packaging applications are demanding high-density connectors with small envelope dimensions suitable for mounting to single or double-sided as well as multilayer printed wiring boards. At the same time, the internationalization of the electronics industry is requiring an equally international connector family of standard characteristics that combine metal-to-metal reliability and cost-effectiveness. The response to both these demands is the DIN connector family — the Euroconnector standard now finding increasing applications in the United States and around the world.

DIN 41612

The DIN (Deutsches Institut für Normung) standard offers these significant improvements in performance and design over current printed circuit connectors:

- High contact density
- Low mating forces
- Two-piece protective design
- 2, 3, 4 and 5 Row

These common features ensure trouble-free assembly to the board, universal matability, and proper contact wipe within the matched tolerances of each DIN style. Different styles can be mixed — even though they cover a wide range of current-carrying capacities, contact densities and termination types side by side within the same rack.

Broadest line

Elco offers the broadest line of DIN high-density connector solutions in the industry, including the 200-pin, 4-row connector in Series 8458 Standard, inverted, solder-in, and press-fit styles are available, featuring precision selective gold plating, low insertion and withdrawal forces, and positive alignment and mating.

Volume production

Elco provides volume production lines in the United States and at three plants off shore, thus assuring production capacity to meet any requirement for prompt delivery at competitive prices.

Elco - the first

Our production experience of more than a dozen years enabled us to become the first U.S. manufacturer to fully qualify its DIN connectors to MIL-C-55302/131-134 and 157-158, rounding out a series of approvals that includes VG 95324 (the West German defense standard) DIN 41612, British Post Office and IEC.

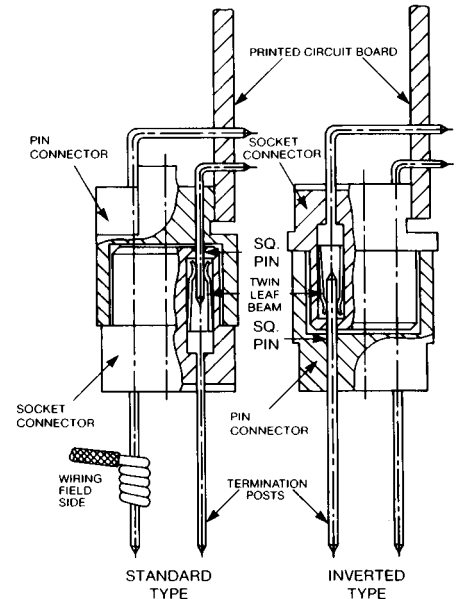
DIN vs. card-edge connectors for P.C. interconnectors

Until now, the one piece edgeboard connector has dominated the market, primarily because of its low price. However, in a price comparison of both types, the costs of the contacts on the printed circuit board are often overlooked. These costs, furthermore, increase considerably when contact reliability requirements are increased. In such a case, the price balance between card-edge and two-piece connectors is quickly regained.

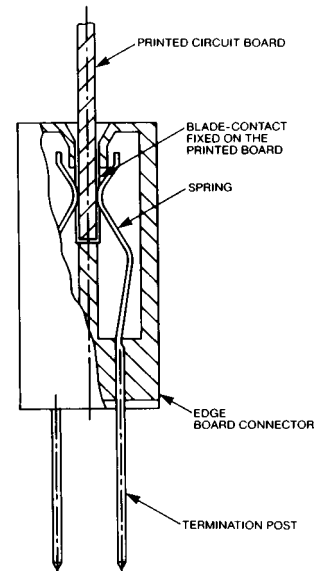
Technical superiority

There are many technical reasons favoring the two-piece DIN connector in applications where the connector must meet stringent requirements:

- High level of reliability because of close control of tolerances on both mating surfaces.
- Pin and socket protected against external forces by an all-around collar.
- The socket of the two-piece connector grips the pin on both sides providing redundant contact points.
- Contact wear is reduced and permissible mating frequency is increased by avoidance of card-edge connector cutting edge.
- Two-piece connectors can be provided with two, three, four and five rows; card-edge connectors can only have two-row contacting.
- No need to change pattern on the P.C. board.
- No contact loss when contact keying strips are used on the side of the two-piece connector.
- Larger creepage paths and thus higher maximum operating voltages for two-piece connectors than for card-edge connectors.



Two piece connector

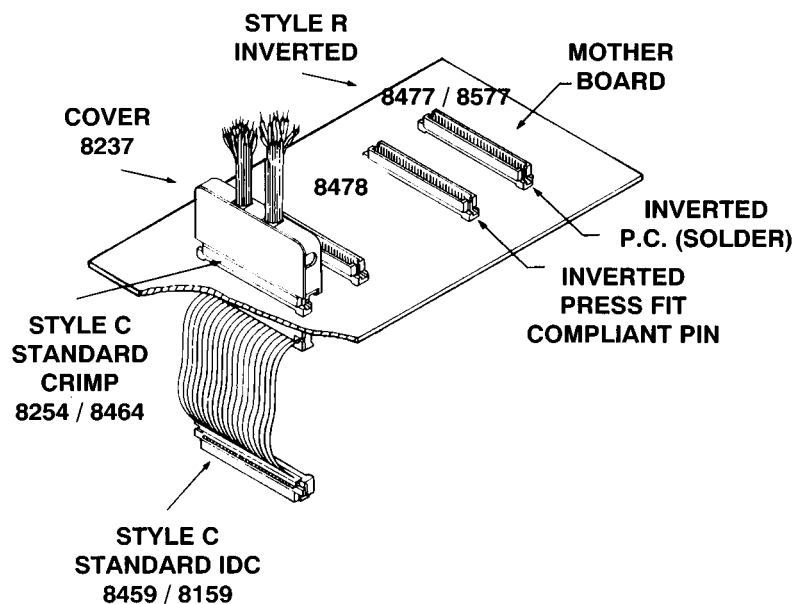


Card edge connector

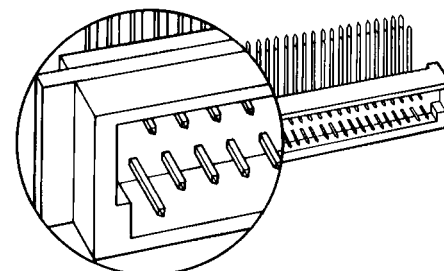
Elco's line of DIN high-density, low insertion and withdrawal force connectors meets the requirements of a wide variety of input / output and board-to-board applications. Connectors are available for single, double and multi-layer printed circuit boards with up to 200 contact positions, and up to five rows, in both standard and inverted styles. Select from such terminations as straight or right-angle, wire wrappable printed circuit through-hole, insulation displacement contact, crimp, and solder loop.

Mounting possibilities include rack, metalplate, solderless printed circuit press-fit, and inverted DIN. Elco's solderless press-fit interconnect technique is available in both standard and inverted designs, in straight and right-angle printed circuit through-hole configurations.

For more information, contact the factory, or the Elco representative or distributor nearest you.



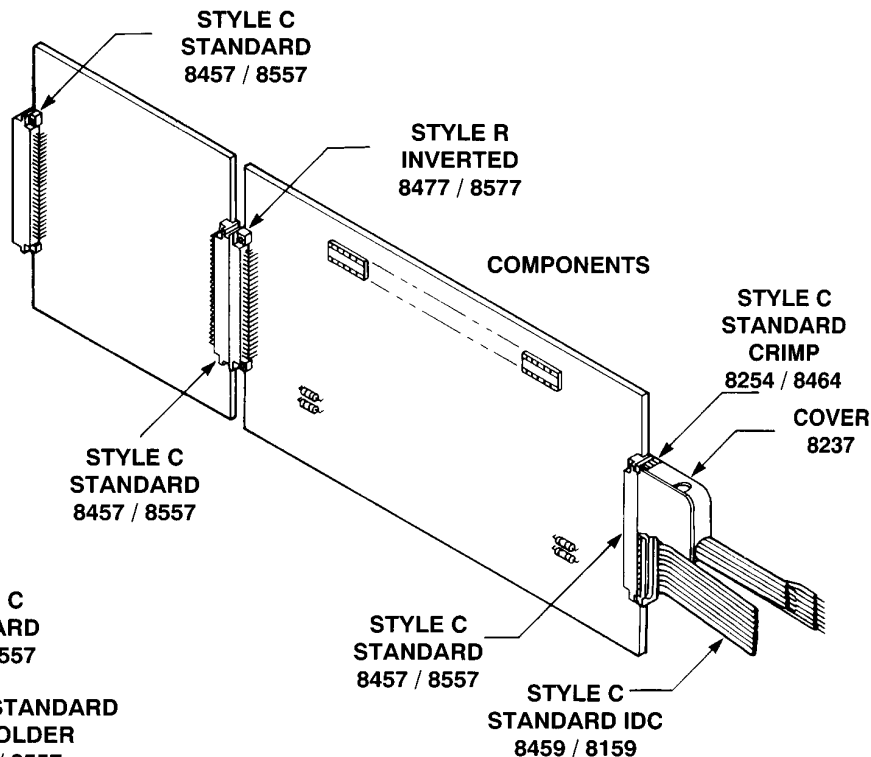
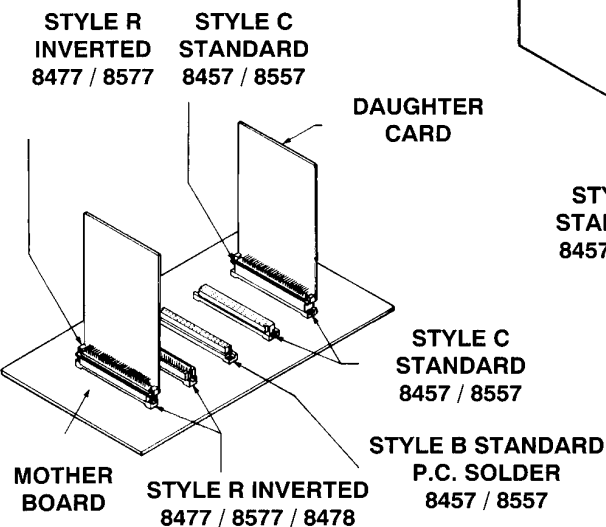
Make-ground-before-signal Contacting Sequence



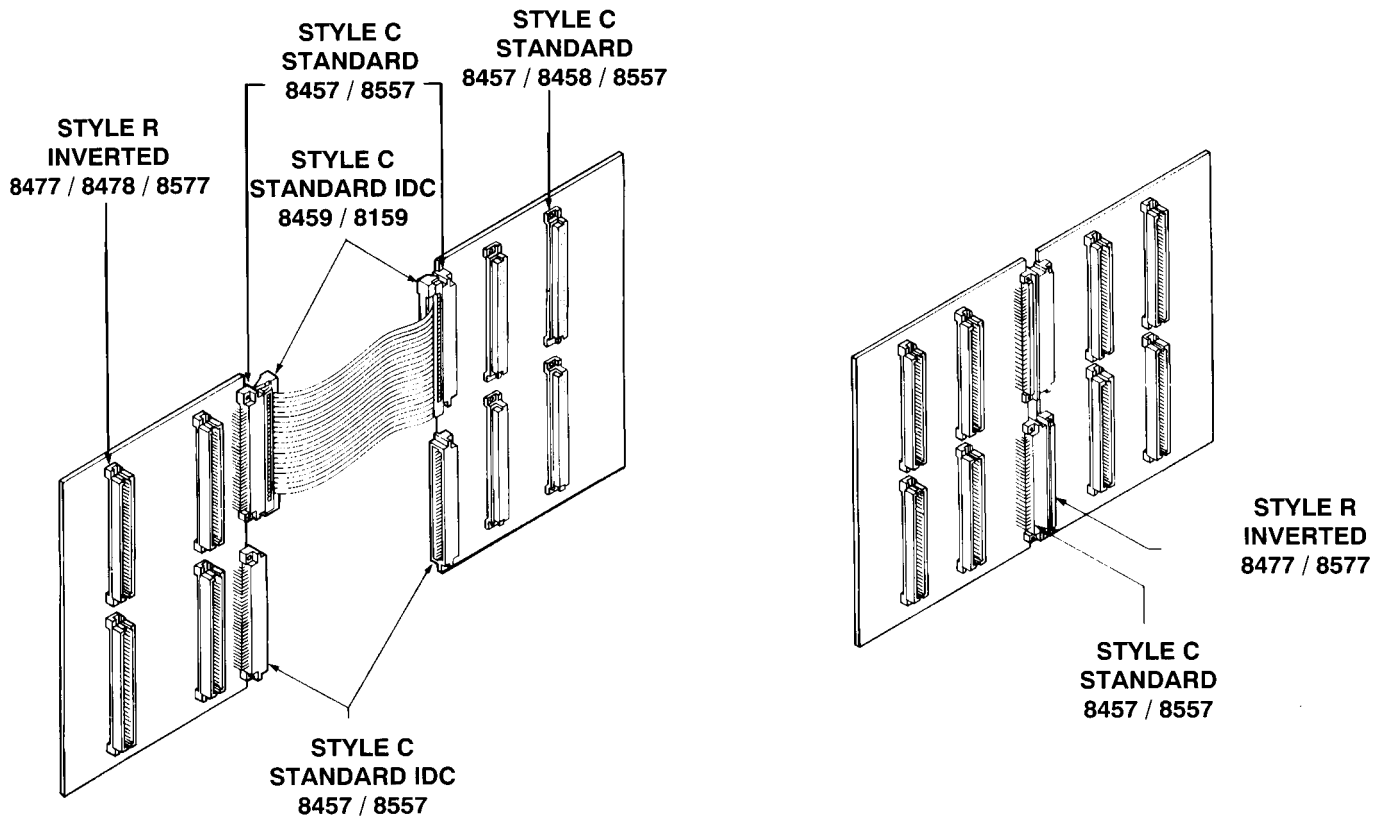
To order this feature, see Δ symbol in contact designation code for each header connector series.

Extender board / test card

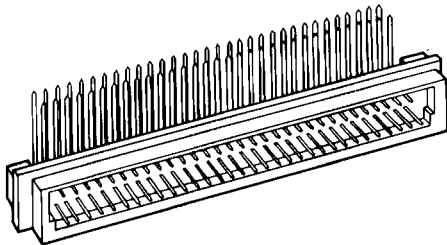
Daughter card to mother board



Mother boards in tandem

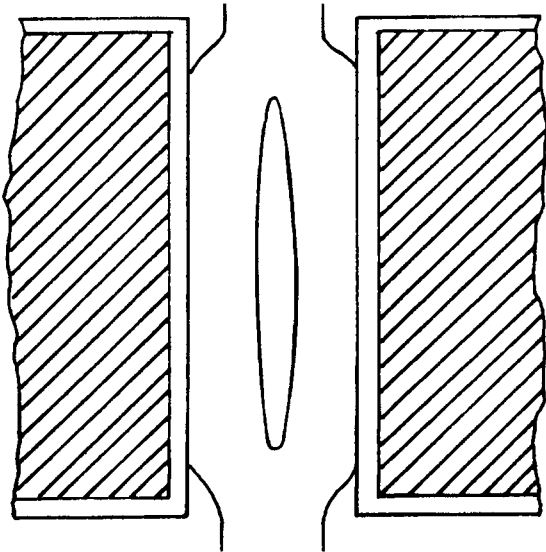


Plug half with long right-angle post



Typically used for wire wrapped bread-board applications. To order, see contact designation code for each pin connector series.

Standard or Inverted Straight or Right-Angle Press-Fit



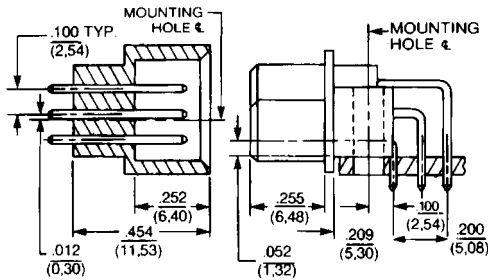
ELCO offers a range of both standard and inverted DIN connectors for press-fit applications, including series 8448 / 8458 and 8478. (Series 8458 and 8478, standard and inverted, are also available in right-angle.)

ELCO Press-Fit is a DIN variation. It is pressed into the printed circuit board according to DIN 41811, part 5 and IEC Publ. 352-5 without soldering. The ELCO VARIPIN™ contact has a specially formed compliant pin that mates with the plated through-hole of the printed circuit board which forms a gas-tight non-corrosive and vibrationless bond.

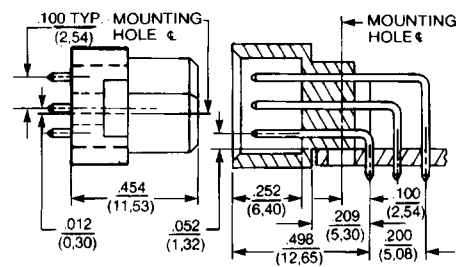
The straight receptacle configurations do not require ANY special tooling... they are a flat-rock design. The straight headers are press-fit into the backpanel in a single operation. The Elco supplied tool fits easily into the connectors and, once positioned, the connectors can be press fit into the board with an arbor or air-operated press. (Refer to applications tooling shown on page 78.)

The right-angle configurations require a very simple press tool for the press process. The press force is directly over the press fit area. (Contact the factory for additional information.)

Typical mounting dimensions

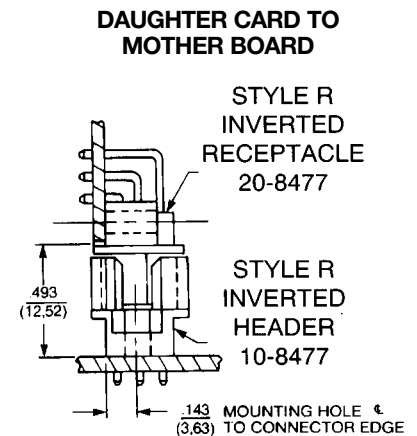
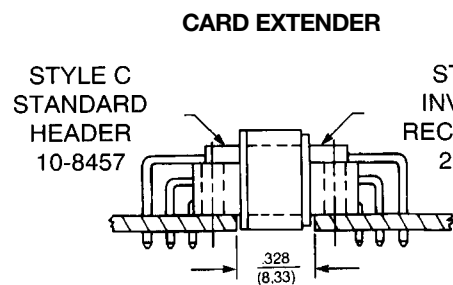
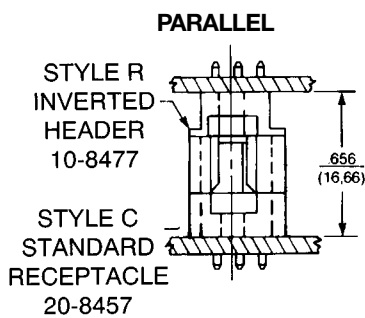


**STYLE R
INVERTED**
8477 / 8478 / 8577



**STYLE C
STANDARD**
8457 / 8458 / 8557

Board-to-board mating dimensions



Approvals

The ELCO DIN line is approved against all important standardization systems.

DIN 41612 German "Deutsches Institut fur Normung" standards

VG 95324 German Defense Standard

CECC

IEC 603-1 Industrial Electrical Code

MIL-C-55302 (DESC military specification)

VDE

UL File # E27610

2521 8458
8254 8459
8257 8477
8442 8478
8447 8557
8457 8577



BS 9000

BT

NFC 93.420

PTT

UTE C 93.420

(British Post Office Standard)

(British Telecom)

('Switzerland, Italy, Spain)

CSA File # LR 40338

8457
8458
8477
8487
8557
8577



Keying

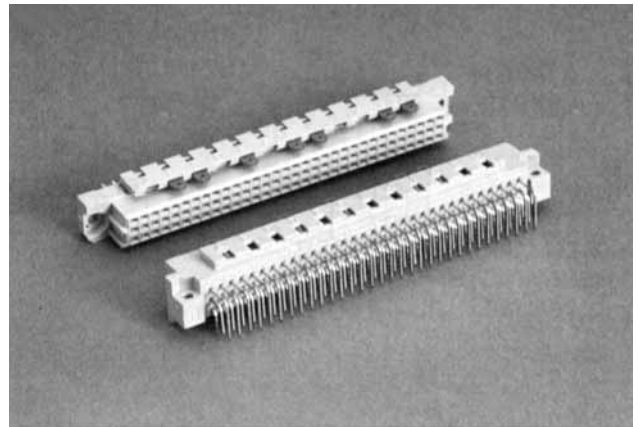
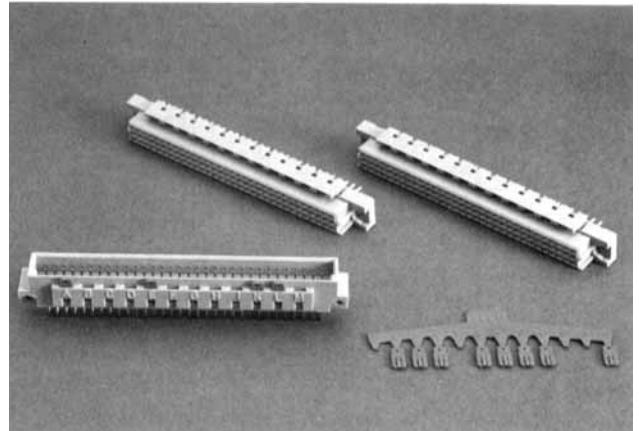
The Elco keying system provides a more versatile and cost-effective solution for multi-position assemblies with the following advantages.

- No breaking-off of plastic parts for keying purposes in plug or receptacle insulators.
- No tools required.
- Keying can be changed, keying mistakes can easily be corrected.
- Keys are supplied as handy strips carrying 12 keys. The needed number of keys is broken off the strip and put into the corresponding cavities of the male insulator. The balance of the keys (still on the strip) is inserted into the cavities of the keying system of the female insulator. The strip is then broken off. The ELCO-version with keys on a strip is a considerable advantage against competitors' solutions using loose coding keys.
- Keying versatility (924 different positions).
- Compatible with leading manufacturers' products.
- Keys are available in white or red color.
- Styles B, C, D*, E, Q, R and 1/2C are available.

Ordering Codes

Plastic keying strip, red	60 2427 30 74 12 000
Plastic keying strip, white	60 2427 30 14 12 000
Metal keying strip, single	60 2427 40 10 00 000

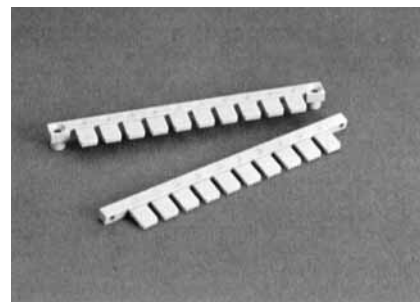
Style D square post .024 X .024 (0,6 mm x 0,6 mm) available with integrated keying.



Keying

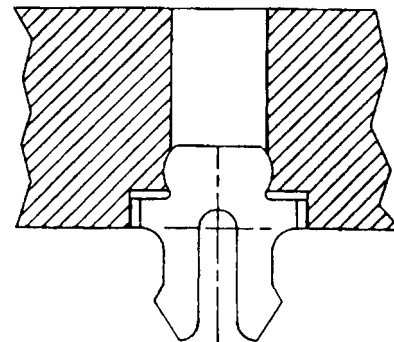
Elco Keying Strips provide positive daughter-board to backpanel keying for multi-position assemblies. Key tabs are easily removed with pliers.

Part # 30-8267-9210



Board Retention Clips

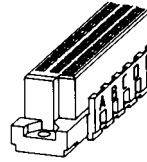
Available on Elco DIN (Right-angle & straight, headers & receptacles)... Clips are installed at the factory or can be value-added at an Elco franchised distributor. Board retention clips eliminate the need for mounting hardware. They are designed to hold the connector in place during soldering.



How to Key

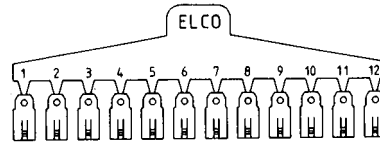
Each, plug and receptacle insulator, have cavities. Picture 1

Marked by letters from A to M.



The keys attached to the strip fit into these cavities. Picture 2

They are marked by figures from 1 to 12.



The keys 1, 2, 3,..., 12 are inserted into the cavities A, B, C,..., M.

Example for
standard system

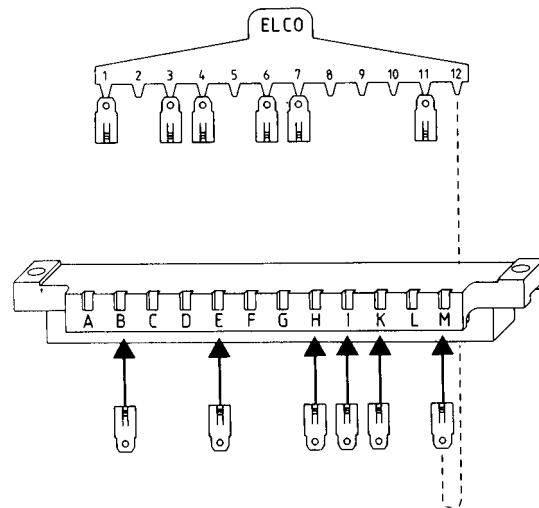
Instructions for keying:

1. Keying of the fixed connector (receptacle for standard system, plug for inverted system)

Choose six cavities into which the keys shall be inserted. Break the related keys individually off the strip and insert them into the chosen cavities.

Picture 3

receptacle

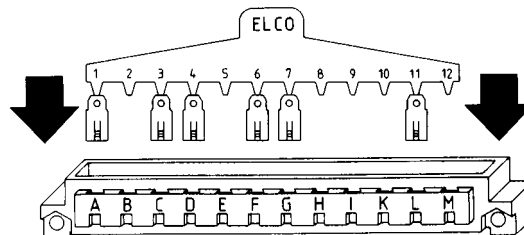


2. Keying of the free connector (plug for standard system, receptacle for inverted system)

Insert the balance of the keys remaining attached to the strip into the belonging cavities and break off the strip.

Picture 4

plug



We recommend 6 keys in each side of a pair of connectors. Including the example shown above, 924 different keying possibilities are available.

Technical Specifications

ELCO

Series

8254 / 8459

8457 / 8458

8477 / 8478

Basic Grid	.100 (2,54) X .100 (2,54) - .100 (2,54) X .200 (5,08)
Insertion Force	3.0 oz./ .83 N average per contact pair (20.23/ 90N max. for 96 contacts)
Withdrawal Force	Average per contact pair (.54 oz. / 0,15N min. per contact)
Contact Positions	2 X 16, 2 X 32, 3 X 10, 3 X 16, 3 X 32, 3 X 50, 4 X 32, 4 X 50, 5 X 32
Contact Resistance	20 milliohms max.
Current Rating * (see note)	3 amperes @ 20°C max. on connectors up to 96 contacts. 1 ampere max. on connectors from 100 to 201 contacts.
Insulation Resistance	5,000 megohms min. at 500 VDC
Dielectric Withstanding Voltage	1,000 VAC rms at sea level
Operating Temperature	-65°C to +125°C
Insulator Material	Thermoplastic 94 V-0 UL Rated
Socket Contact Material	Phosphor bronze
Pin Contact Material	Copper tin
Wrap Post Dimension	.024 X .024 (0,6 mm x 0,6 mm)
Push-Out Force of Post in Insulator	3 lbs.

Series

8447

Basic Grid	.200 (5,08) X .200 (5,08)
Insertion Force	4.0 oz./ 1.11 N average per contact pair (9.0 lbs. / 40N max. for 32 contacts)
Withdrawal Force	Average per contact pair (.54 oz. / 0,15N min. per contact)
Contact Positions	2 X 16, 3 X 16
Contact Resistance	15 milliohms max.
Current Rating * (see note)	5.5 amperes @ 20°C max.
Insulation Resistance	5,000 megohms min. at 500 VDC
Dielectric Withstanding Voltage	1,550 VAC rms at sea level
Operating Temperature	-65°C to +125°C
Insulator Material	Polycarbonate (GF)
Pin Contact Material	Copper alloy
Wrap Post Dimension	1,0 mm X 1,0 mm

Series

8557 / 8577

Basic Grid	.100 (2,54) X .100 (2,54) - .100 (2,54) X .200 (5,08)
Insertion Force	3.0 oz./ .83 N average per contact pair (20.23 / 90N max. for 96 contacts)
Withdrawal Force	Average per contact pair (.54 oz. / 0,15N min. per contact)
Contact Positions	3 X 16, 3 X 32, 4 X 32 (inverted receptacle)
Contact Resistance	20 milliohms max.
Current Rating * (see note)	3 amperes @ 20°C max. on connectors up to 96 contacts.
Insulation Resistance	5,000 megohms min. at 500 VDC
Dielectric Withstanding Voltage	1,000 VAC rms at sea level
Operating Temperature	-65°C to +125°C
Insulator Material	LCP
Socket Contact Material	Phosphor bronze
Pin Contact Material	Copper alloy
Wrap Post Dimension	.024 X .024 (0,6 mm x 0,6 mm)
Push-Out Force of Post in Insulator	3 lbs.

* Current Rating: UL approval allows that DIN connectors up to 96 contacts be rated at 3 amperes. Over 96 pins must be derated to 1.0 ampere maximum. VDE, CSA, and other European standards rate all DIN and DIN type connectors at 1 ampere maximum when they are on a .100 (2,54) X .100 (2,54) grid. (UL file #E27610 Vol. # 1 Section #6.)

Plating table

Class	M55302 Class I	DIN 41612 Class II	DIN 41612 Class III
Cycle Life	500+ Cycles	400 Cycles	50 Cycles

Shaded variations recommended for standard applications.
Available through ELCO franchised distributors.

Military part number cross-reference

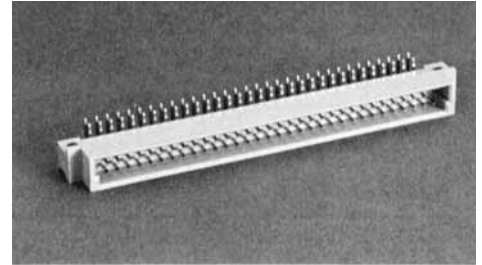
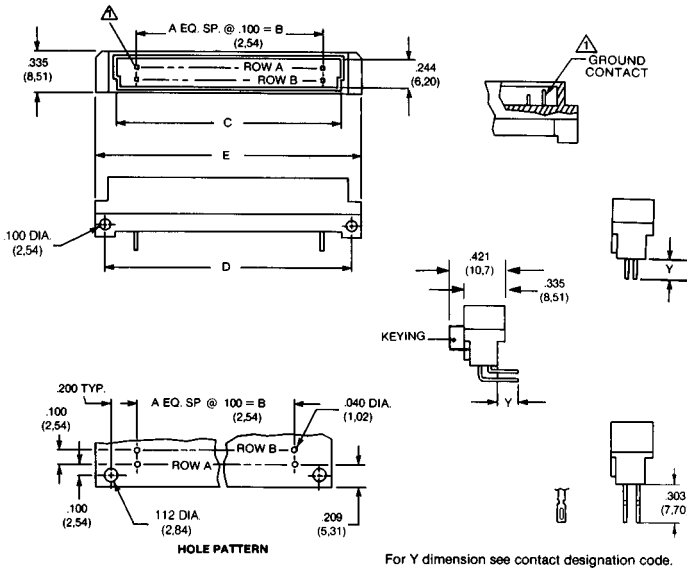
Military Designation	Elco MIL P/N	Commercial Equivalent
M55302/131-01	10-8457-096-002-913	10-8457-096-002-025
M55302/131-02	10-8457-096-002-914	10-8457-096-002-026
M55302/132-01	20-8457-096-002-908	20-8457-096-002-025
M55302/132-02	20-8457-096-005-902	20-8457-096-005-097
M55302/132-03	20-8457-096-006-900	20-8257-096-006-097
M55302/132-04	20-8457-096-002-910	20-8457-096-002-026
M55302/132-05	20-8457-096-005-900	20-8457-096-005-098
M55302/132-06	20-8457-096-006-901	20-8257-096-006-098
M55302/133-01	10-8457-064-002-901	10-8457-064-002-025
M55302/133-02	10-8457-064-002-902	10-8457-064-002-028
M55302/133-03	10-8457-064-002-903	10-8457-064-002-027
M55302/134-01	20-8457-064-002-902	20-8457-064-002-025
M55302/134-02	20-8457-064-005-901	20-8457-064-005-097

Military Designation	Elco MIL P/N	Commercial Equivalent
M55302/134-03	20-8457-064-006-900	20-8257-064-006-097
M55302/134-04	20-8457-064-002-903	20-8457-064-002-028
M55302/134-05	20-8457-064-005-902	20-8457-064-005-100
M55302/134-06	20-8457-064-006-901	20-8257-064-006-100
M55302/134-07	20-8457-064-002-904	20-8457-064-002-027
M55302/134-08	20-8457-064-005-903	20-8457-064-005-099
M55302/134-09	20-8457-064-006-902	20-8257-064-006-099
M55302/157-01	10-8477-096-006-901	10-8477-096-006-097
M55302/157-02	10-8477-096-002-902	10-8477-096-002-025
M55302/157-03	10-8477-096-006-903	10-8477-096-006-098
M55302/157-04	10-8477-096-002-904	10-8477-096-002-026
M55302/158-01	20-8477-096-002-901	20-8477-096-002-025
M55302/158-02	20-8477-096-002-902	20-8477-096-002-026

Style B & 1/2 B Header

8457

Standard
2-Row



ORDERING CODE Typical Example **10 8457 064 002 025**

PREFIX
 10-PIN WITHOUT KEYING 16-PIN WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITHOUT KEYING
 12-PIN WITH KEYING 17-PIN WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITH KEYING

SERIES
 Standard DIN, Style B & 1/2 B

NUMBER OF CONTACT CAVITY POSITIONS

NO. CONTACT POSITIONS	CONTACT ROWS	A	B	C	D	E
032	2 (2 x 16)	15	1.500 (38,10)	1.754 (44,55)	1.900 (48,26)	2.100 (53,34)
064	2 (2 x 32)	31	3.100 (78,74)	3.354 (85,19)	3.500 (88,90)	3.700 (93,98)

CONTACT DESIGNATION CODE

CODE NO.	DESCRIPTION	TERMINAL LENGTH = Y
001	P.C. contact sq. terminal	.134 (3,40)
002	P.C. contact right-angled, short sq. terminal	.118 (3,00)
102		
003	Straight wire wrapping sq. terminal	.512 (13,0)

CODE NO.	DESCRIPTION	TERMINAL LENGTH = Y
004	P.C. contact right-angled for 2 wire wraps. sq. terminal	.445 (11,30)
006	Solder Hole	.303 (7,70)
007	Solder Loop	.252 (6,40)
008	P.C. contact right-angled, short. sq. terminal	.090 (2,3)

VARIATION CODE

Class	Gold All Over		Gold Contact Area, Tin/Lead Terminal	
	DIN 41612 Class II	DIN 41612 Class III	DIN 41612 Class II	DIN 41612 Class III
Cycle Life	400 Cycles	50 Cycles	400 Cycles	50 Cycles
Variation Code Numbers				
097	073	025	001	Fully loaded .100 (2,54) grid
099	075	027	003	Row A Fully loaded .100 (2,54) grid

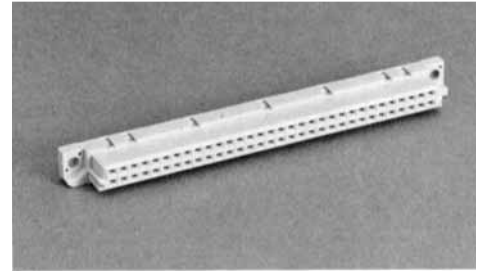
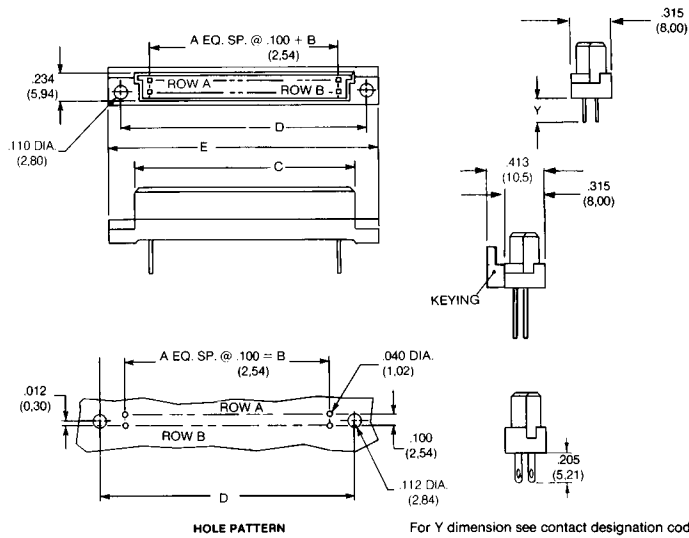
NOTE: For alternate loading and plating, please contact factory.

△ Ground contact row a, first & last position. Shaded variations recommended for standard applications. Available through ELCO franchised distributors.

Style B & 1/2 B Receptacle

8457

Standard 2-Row



ORDERING CODE Typical Example

20 **8457** **064** **001** **025**

PREFIX

- 20-SOCKET WITHOUT KEYING
- 22-SOCKET WITH KEYING
- 24-SOCKET WITH BOARD RETENTION CLIP FOR .125" (3.2mm) BOARD WITHOUT KEYING
- 25-SOCKET WITH BOARD RETENTION CLIP FOR .125" (3.2mm) BOARD WITH KEYING
- 26-SOCKET WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITHOUT KEYING
- 27-SOCKET WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITH KEYING

SERIES

Standard DIN, Style B & 1/2 B

NUMBER OF CONTACT CAVITY POSITIONS

NO. CONTACT POSITIONS	CONTACT ROWS	A	B	C	D	E
032	2 (2 x 16)	15	1.500 (38,10)	1.744 (44,30)	1.968 (49,99)	2.162 (54,91)
064	2 (2 x 32)	31	3.100 (78,74)	3.343 (84,91)	3.543 (89,99)	3.736 (94,89)

CONTACT DESIGNATION CODE

CODE NO.		DESCRIPTION	TERMINAL LENGTH = Y
001		P.C. contact, square terminal	.177 (4,50)
002			.114 (2,90)
003		P.C. contact, .012 (0,30) X .031 (0,79)	.177 (4,50)
004			.114 (2,90)
005		Straight wire wrap, square terminal	.512 (13,00)
006			Wire Wrap (8257 Series) Consult Factory

CODE NO.		DESCRIPTION	TERMINAL LENGTH = Y
009		Solder Eyelet (8257 Series) Consult Factory	.205 (5,2)
011		P.C. contact, square terminal	.137 (3,5)
012		Straight wire wrap, square terminal	.764 (19,4)
013		P.C. contact, right-angle	.177 (4,5)

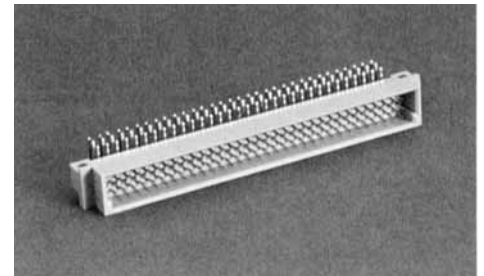
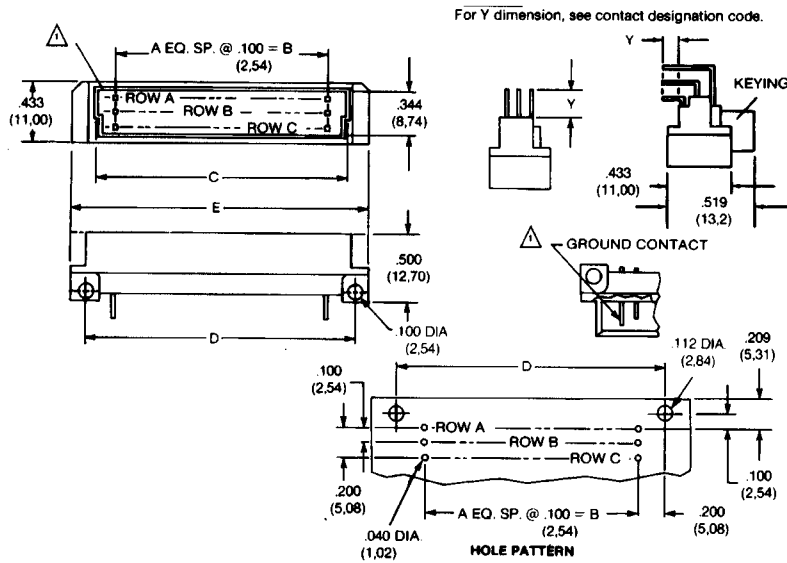
VARIATION CODE

	Gold All Over		Gold Contact Area, Tin/Lead Terminal		
Class	DIN 41612 Class II	DIN 41612 Class III	DIN 41612 Class II	DIN 41612 Class III	
Cycle Life	400 Cycles	50 Cycles	400 Cycles	50 Cycles	
	Variation Code Numbers				Contact Loading Positions
	097	073	025	001	Fully loaded .100 (2,54) grid
	099	075	027	003	Row A Fully loaded .100 (2,54) grid

NOTE: For alternate loading and plating, please contact factory.
Shaded variations recommended for standard applications.
Available through ELCO franchised distributors.

Expanded Style C, 1/2 C & 1/3 C Header 8457

Standard
3-Row/4-Row/5-Row



ORDERING CODE Typical Example

10 **8457** **096** **002** **025**

PREFIX

10-PIN WITHOUT KEYING 16-PIN WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITHOUT KEYING
12-PIN WITH KEYING 17-PIN WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITH KEYING

SERIES

NUMBER OF CONTACT CAVITY POSITIONS

Standard DIN, Style C, 1/2 C, & 1/3 C

NO. CONTACT POSITIONS	CONTACT ROWS	A	B	C	D	E
030	3 (3 x 10)	9	.900 (22,86)	1.158 (29,41)	1.300 (33,02)	1.497 (38,02)
048	3 (3 x 16)	15	1.500 (38,10)	1.760 (44,70)	1.900 (48,26)	2.122 (53,90)
096	3 (3 x 32)	31	3.100 (78,74)	3.358 (85,29)	3.500 (88,90)	3.697 (93,90)

# POS.	CTC ROWS	A	B	C	D	E
128	4 (4 x 32)	31	3.100 (78,74)	3.358 (85,29)	3.500 (88,90)	3.697 (93,90)
160	5 (5 x 32)	31	3.100 (78,74)	3.358 (85,29)	3.500 (88,90)	3.697 (93,90)

CONTACT DESIGNATION CODE

CODE NO.	DESCRIPTION	TERMINAL LENGTH = Y
001	sq. terminal P.C. contact	.134 (3,40)
002	P.C. contact, right-angled, short sq. terminal	.118 (3,00)
102		
003	Straight wire wrapping sq. terminal	.512 (13,00)

CODE NO.	DESCRIPTION	TERMINAL LENGTH = Y
004	P.C. contact right-angled long for 2 wire wrap levels sq. terminal	.445 (11,30)
006	Solder Hole	Row A & C = .303 (7,70) Row B = .409 (10,4)
007	Solder Loop	Row A & C = .252 (6,40) Row B = .358 (9,10)
008	P.C. contact right-angled, short. sq. terminal	.090 (2,3)

VARIATION CODE

Class	Gold All Over		Gold Contact Area, Tin/Lead Terminal	
	DIN 41612 Class II	DIN 41612 Class III	DIN 41612 Class II	DIN 41612 Class III
Cycle Life	400 Cycles	50 Cycles	400 Cycles	50 Cycles
Variation Code Numbers				Contact Loading Positions
097	073	025	001	Fully loaded .100 (2,54) grid
098	074	026	002	Row A & C Fully loaded .100 (2,54) x .200 (5,08) grid

NOTE: For alternate loading and plating, please contact factory.

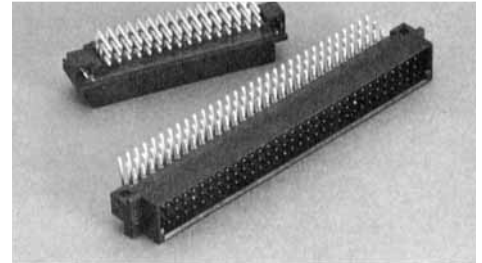
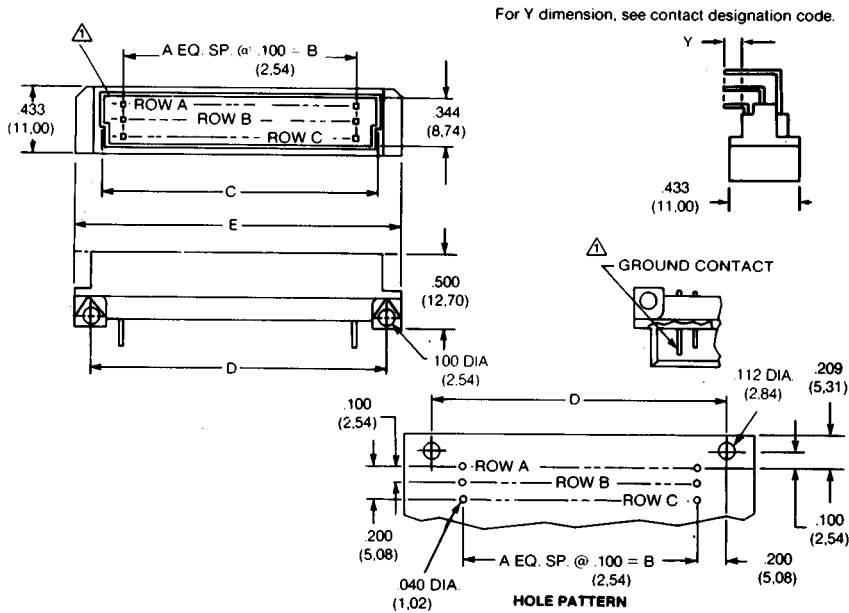
⚠ Ground contact row a, first & last position.

⚠ Not available with keying. Shaded variations recommended for standard applications. Available through ELCO franchised distributors.

Style C & 1/2 C Header

8557

High Temperature
Standard
3-Row



ORDERING CODE Typical Example

10 **8557** **048** **002** **025**

PREFIX

10-PIN WITHOUT KEYING
16-PIN WITH BOARD RETENTION CLIPS

SERIES

Standard DIN, Style C, 1/2 C

NUMBER OF CONTACT CAVITY POSITIONS

NO. CONTACT POSITIONS	CONTACT ROWS	A	B	C	D	E
048	3 (3 x 16)	15	1.500 (38,10)	1.760 (44,70)	1.900 (48,26)	2.122 (53,90)
096	3 (3 x 32)	31	3.100 (78,74)	3.358 (85,29)	3.500 (88,90)	3.697 (93,90)

CONTACT DESIGNATION CODE

CODE NO.	DESCRIPTION	TERMINAL LENGTH = Y
002	P.C. contact, right-angled,	.118 (3,00)
102	short sq. terminal	

VARIATION CODE

	Gold All Over		Gold Contact Area, Tin/Lead Terminal		
Class	DIN 41612 Class II	DIN 41612 Class III	DIN 41612 Class II	DIN 41612 Class III	
Cycle Life	400 Cycles	50 Cycles	400 Cycles	50 Cycles	
	Variation Code Numbers			Contact Loading Positions	
	097	073	025	001	Fully loaded .100 (2,54) grid
	098	074	026	002	Row A & C Fully loaded .100 (2,54) x .200 (5,08) grid

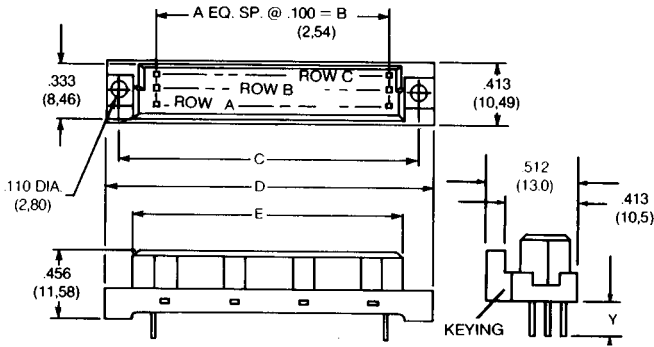
△ Ground contact row a, first & last position. Shaded variations recommended for standard applications. Available through ELCO franchised distributors.

- withstands temperatures of 240°C to 250°C for up to 15 seconds
- ideal for IR reflow or convection oven processing (up to 20 seconds pre & post processing heat)
- eliminates need for secondary soldering or product shielding/masking to resist heat

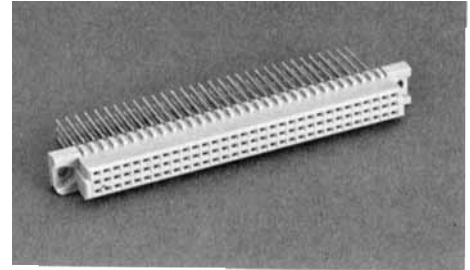
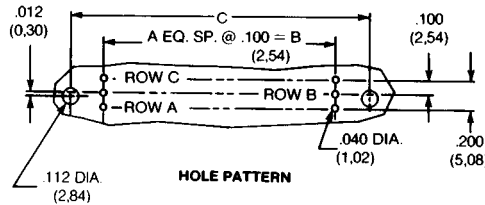
Style C, 1/2 C & 1/3 C Receptacle

8457

Standard 3-Row



For Y dimension see contact designation code.



ORDERING CODE Typical Example

20

8457

048

001

025

PREFIX

- 20-SOCKET WITHOUT KEYING
- 22-SOCKET WITH KEYING
- 24-SOCKET WITH BOARD RETENTION CLIP FOR .125" (3.2mm) BOARD WITHOUT KEYING
- 25-SOCKET WITH BOARD RETENTION CLIP FOR .125" (3.2mm) BOARD WITH KEYING
- 26-SOCKET WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITHOUT KEYING
- 27-SOCKET WITH BOARD RETENTION CLIP FOR .062" (1.6mm) BOARD WITH KEYING

SERIES

Standard DIN, Style C, 1/2 C & 1/3 C

NUMBER OF CONTACT CAVITY POSITIONS

NO. CONTACT POSITIONS	CONTACT ROWS	A	B	C	D	E
030	3 (3 x 10)	9	.900 (22,86)	1.368 (34,75)	1.563 (39,70)	1.144 (29,06)
048	3 (3 x 16)	15	1.500 (38,10)	1.969 (50,01)	2.161 (54,89)	1.744 (44,30)
096	3 (3 x 32)	31	3.100 (78,74)	3.543 (89,99)	3.736 (94,89)	3.343 (84,91)

CONTACT DESIGNATION CODE

CODE NO.		DESCRIPTION	TERMINAL LENGTH = Y	CODE NO.		DESCRIPTION	TERMINAL LENGTH = Y
001		PC. contact, square terminal	.177 (4,50)	009		Solder Eyelet (8257 Series) Consult Factory	A=.205 (5,2) B=.303 (7,7) C=.205 (5,2)
002			.114 (2,90)	010		Straight wire wrap square terminal	.274 (7,0)
003		PC. contact	.177 (4,50)	011		PC. contact square terminal	.137 (3,5)
004		.012 (0,30) X .031 (0,79)	.114 (2,90)	012		Straight wire wrap square terminal	.764 (19,4)
005		Straight wire wrap, square terminal	.512 (13,00)	013		PC. contact right-angle	.177 (4,5)
006		Wire Wrap (8257 Series) Consult Factory	.677 (17,20)				

VARIATION CODE

Class	Gold All Over		Gold Contact Area, Tin/Lead Terminal		Cycle Life
	DIN 41612 Class II	DIN 41612 Class III	DIN 41612 Class II	DIN 41612 Class III	
	400 Cycles	50 Cycles	400 Cycles	50 Cycles	
Variation Code Numbers					Contact Loading Positions
	097	073	025	001	Fully loaded .100 (2,54) grid
	098	074	026	002	Row A & C Fully loaded .100 (2,54) x .200 (5,08) grid

NOTE: For alternate loading and plating, please contact factory.

Not available with keying. Shaded variations recommended for standard applications. Available through ELCO franchised distributors.