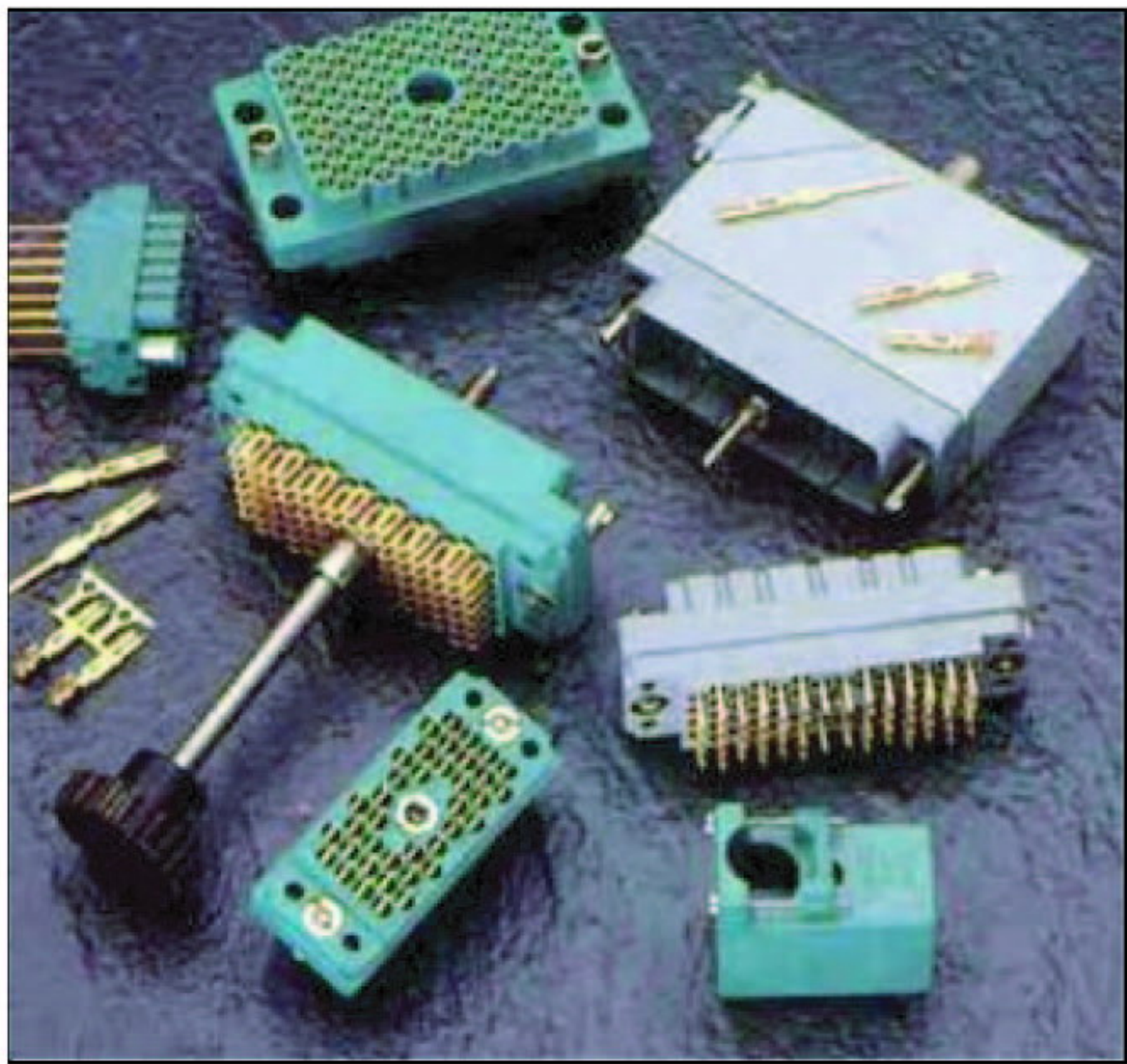


516 SERIES RACK & PANEL CONNECTOR

Plug and Receptacle



FEATURES

- UL Recognized
- .150 (3.81) Contact Spacing x .130 (3.30) or .150 (3.81) Row Spacing with Staggered Grid
- Plug and Receptacle in 20, 38, 56, 90 or 120 Contact Sizes
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options include Crimp, P.C. Tail, Wire Hole and Wire Wrap
- Mating and Unmating Simplified with use of Actuating Screws
- Optional Covers with Side or Top Entry Cable Clamp in Plastic or Metal Material Available for all Connector Sizes
- Versatile Metal Cover Design permits Assembly or Disassembly After Cabling is Complete plus Cable Entry Style Flexibility
- Actuating Screws, Locknuts, Polarizing Hardware, Covers and Contacts Suitable for either Plug or Receptacle
- Polarizing Hardware Adjustable for 288 Mating Combinations
- Tools Available for Contact Installation, Removal and Crimping and Polarizing Changes

SPECIFICATIONS

- ◆ Insulator Material: Diallyl Phthalate or Thermoplastic Polyester, UL 94V-0, Colour: Green, or Polycarbonate, Colour: Grey
- ◆ Contact Material: Phosphor Bronze Alloy CA-510
- ◆ Contact Plating: Gold over Nickel for Entire Contact
- ◆ Cover Material: Polycarbonate, Colour: Green, or Die-Cast Zinc, Finished with Grey Enamel Paint
- ◆ Current Rating: 8.5 Amperes
- ◆ Contact Resistance: 10 Milliohms Maximum
- ◆ Dielectric Withstanding Voltage: 2000 V AC rms at Sea Level
- ◆ Insulation Resistance: 5000 Megohms Minimum
- ◆ Operating Temperature: -65 to +125 Degrees C
- ◆ Insertion and Withdrawal Force: 2 to 16 oz (0.56 to 4.45 N) per Contact Position

Tel: +44 (0)1962 773004
Fax: +44 (0)1962 773104

sales@in2connect.uk.com
<www.in2connect.uk.com>

516 SERIES ORDERING CODE

Example Part Number **516 - 038 - 500 - 2 1 2**

Series _____
Total Number of Contacts _____
Contact Code _____
Style and Material _____
Cover Code _____
Hardware Code _____

Series 516

Total Number of Contacts
020, 038, 056, 090 or 120

Contact Code ^{1,2}	Description & Tail Size	Tail Length "G"
000	No Contacts Assembled	— —
500	Wire Hole .110 x .024 (2.79 x 0.61)	.245 (6.22)
520	P.C. Tail .025 x .024 (0.64 x 0.61)	.215 (5.46)
540	Wire Wrap .050 x .024 (1.27 x 0.61)	.600 (15.24)
541	Wire Wrap .026 x .024 (0.66 x 0.61)	.620 (15.75)
542	Wire Wrap .050 x .024 (1.27 x 0.61)	.790 (20.07)

Style and Material ³	Style	Insulator Material
1	Plug	Green Diallyl Phthalate
2	Receptacle	Green Diallyl Phthalate
3	Plug	Grey Polycarbonate
4	Receptacle	Grey Polycarbonate
5	Plug	Green Polyester
6	Receptacle	Green Polyester

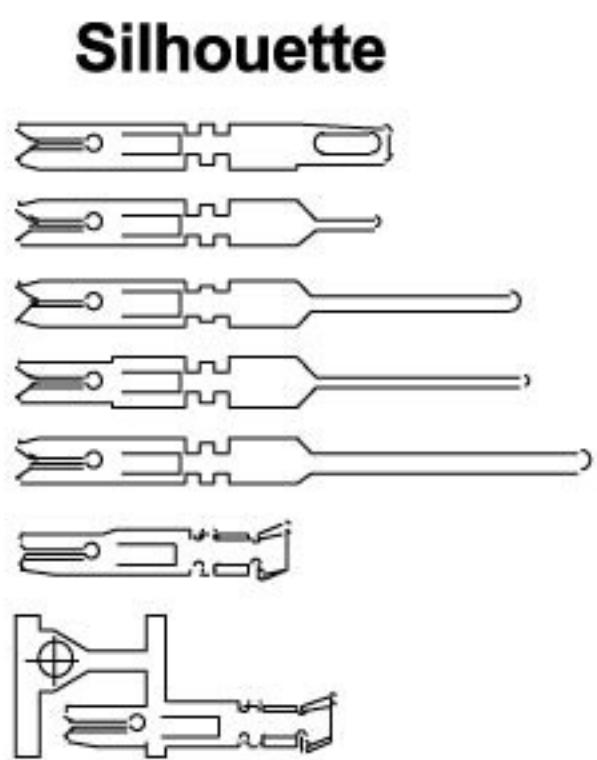
Cover Code ^{4,5,6,7}	Description
0	No Cover Assembled
1	Plastic Cover, Top Entry Standard Clamp
2	Plastic Cover, Side Entry Standard Clamp
3	Plastic Cover, Top Entry Large Clamp
4	Plastic Cover, Side Entry Large Clamp
5	Metal Cover, Side Entry
6	Metal Cover, Top Entry

Hardware Code ⁸	Description
0	No Hardware Assembled
1	Actuating Screw and Polarizing Hardware
2	Locknut and Polarizing Hardware
5	Actuating Screw with No Polarizing Hardware
6	Locknut with No Polarizing Hardware

Ordering Code Notes

- 1) Crimp contacts are also available for the 516 series connectors. Contacts may be ordered separately for pre-wired or select position assembly.

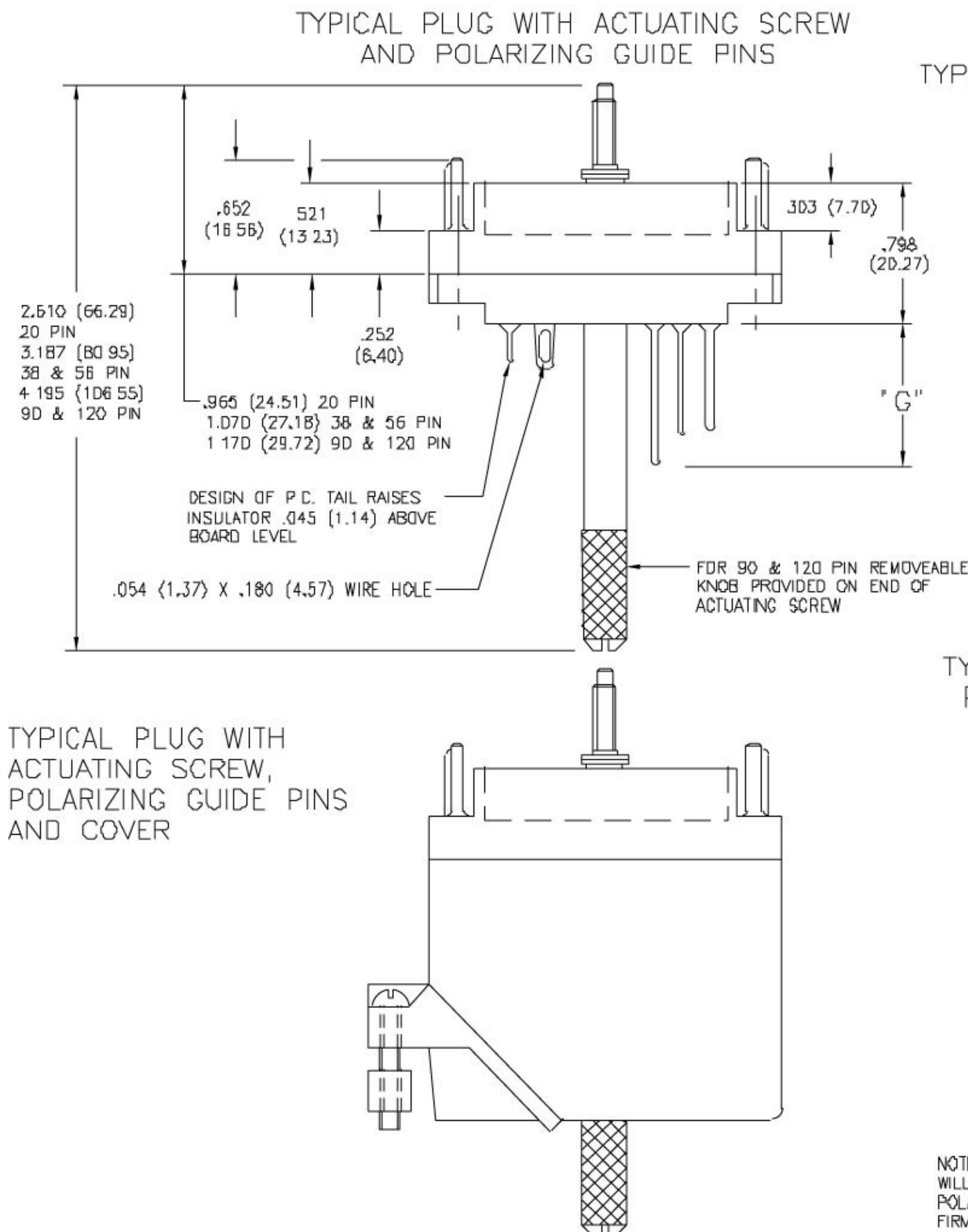
Part Number	Description
516-290-500	Wire Hole
516-290-520	P.C. Tail
516-290-540	Wire Wrap
516-290-541	Wire Wrap
516-290-542	Wire Wrap
516-290-590	Crimp - Loose
516-290-591	Crimp - 1800 Contacts per reel



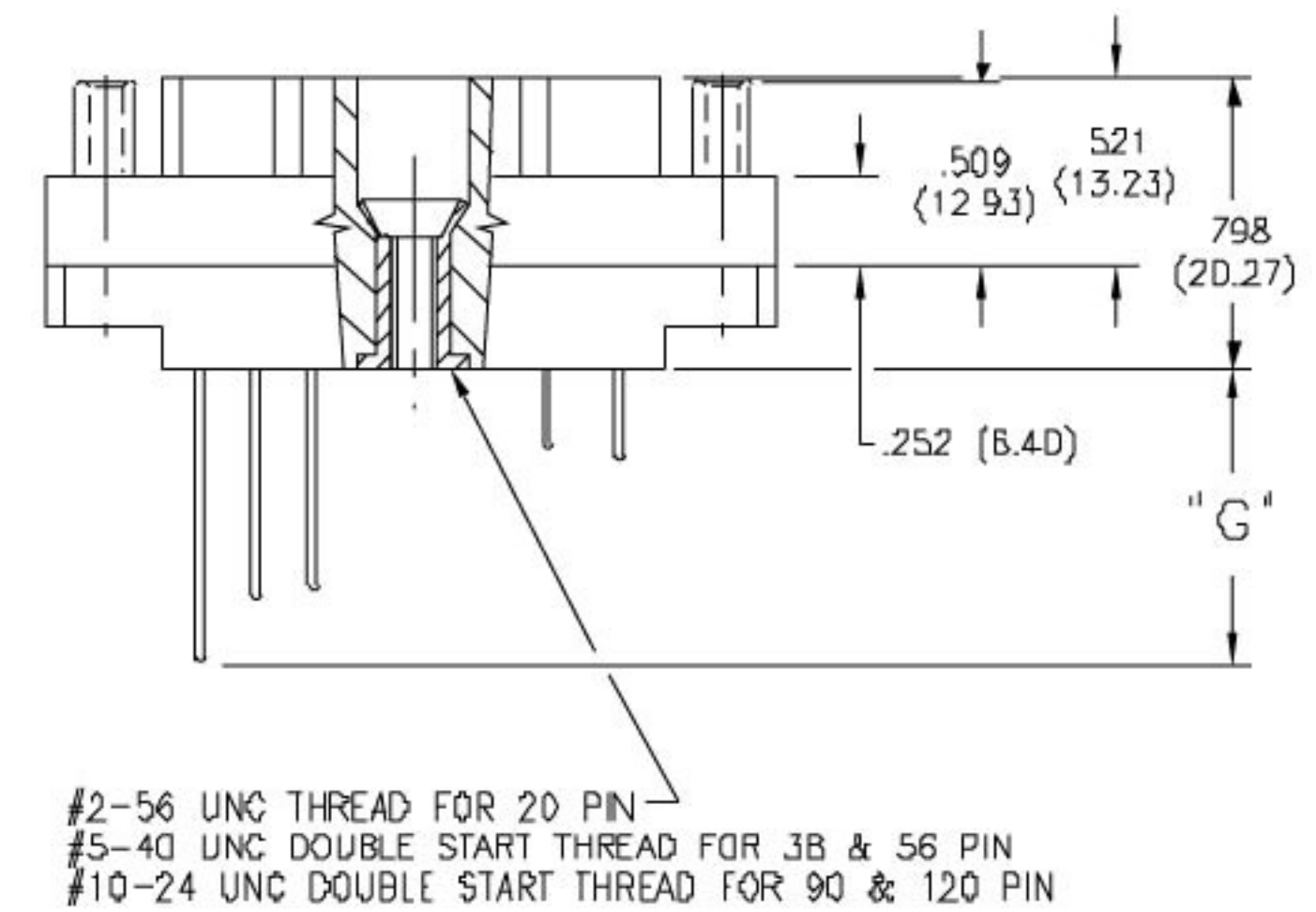
Continued on next page

RACK & PANEL CONNECTOR SERIES 516

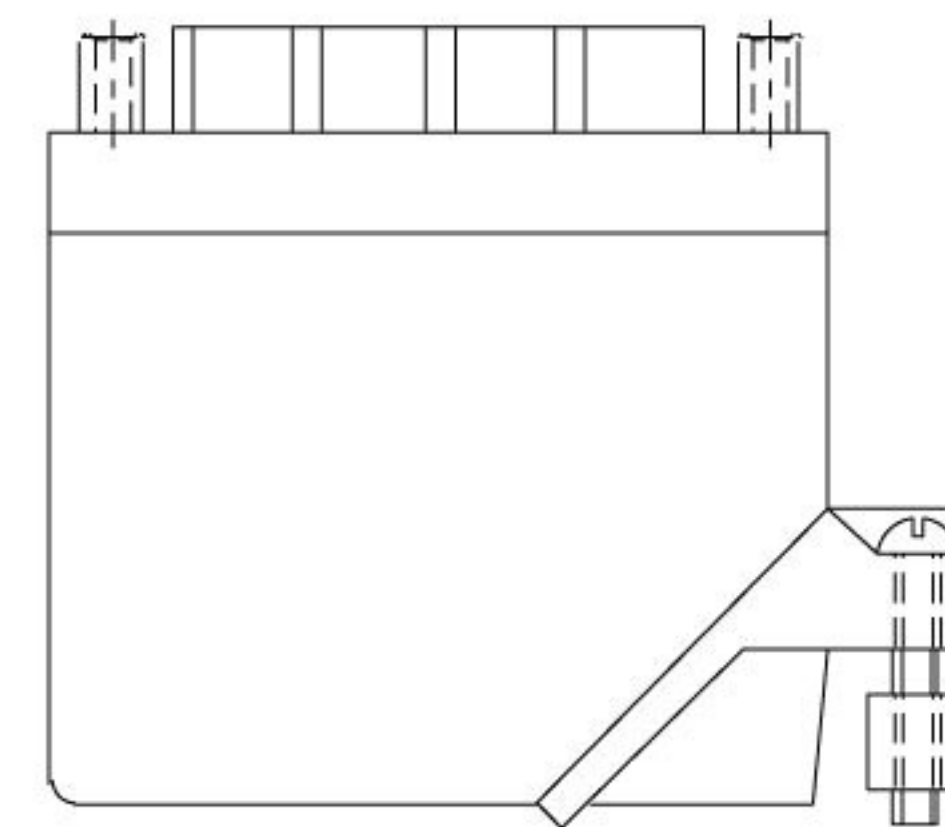
Plug and Receptacle



TYPICAL RECEPTACLE WITH LOCKNUT AND POLARIZING SOCKETS



TYPICAL RECEPTACLE WITH LOCKNUT, POLARIZING SOCKETS AND COVER



NOTE: PLASTIC POLARIZING GUIDE PINS AND SOCKETS (AVAILABLE SOON) WILL BE COLOUR CODED TO VISUALLY ASSIST CONNECTOR MATING. POLARIZATION CHANGES WILL ALSO BE SIMPLIFIED AS THEY WILL SNAP FIRMLY INTO POSITION AND CAN BE REPLACED USING NEEDLENOSE PLIERS.

ORDERING CODE NOTES (Continued)

- 2) For contact installation, removal and crimping tools, refer to page 72.
- 3) Grey polycarbonate insulator material is not available for the 120 pin size connector.
- 4) The 20 pin connector cover will not accept the length of the wire wrap contacts.
- 5) Plastic covers with large clamps are only available for the 38 and 56 pin size connectors.
- 6) Metal covers with side entry may be converted to top entry by removing side plate and changing clamp orientation.
- 7) Covers may be ordered separately. Refer to page 88.
- 8) Insulator design prevents improper mating of individual plug and receptacle. Polarizing hardware enables specific plug and receptacle mating combinations.

CRIMP CHARACTERISTICS

- Contacts and Crimp Tools Accommodate from 28 AWG to 18 AWG, Solid or Stranded Conductor Diameters from .012 (0.30) to .049 (1.25) and an Insulation Diameter up to .074 (1.88)
- Multiple Smaller Gauge Wires may be Crimped Together
- Crimp Resistance from 0.5 Milliohms (18 AWG) to 1.5 Milliohms (28AWG)

POLARIZING CODES

- Polarizing Hardware Changes allow 288 Mating Combinations
- Standard Code Supplied for Plugs PG1G1, for Receptacles RS1S1. Connectors with Special Polarizing Codes Available upon Request
- Example Polarizing Code:

P G 4 S 2

Type of Connector _____
P - Plug, R - Receptacle

Large Diameter Hardware _____
G - Guide Pin (at Contact Position "A" End)
H - Guide Pin (at Last Contact Position End)
S - Socket (at Contact Position "A" End)
T - Socket (at Last Contact Position End)

Position of Large Diameter Keyway - 1 through 6 _____

Small Diameter Hardware (Opposite End from Large Diameter) _____
G - Guide Pin, S - Socket

Position of Small Diameter Keyway - 1 through 6 _____

This Example Mates with Code RS4G2

- Crimp Tensile Strength for Wire Sizes

18 AWG - 40 lbs (178 N)	20 AWG - 25 lbs (111 N)
22 AWG - 15 lbs (67 N)	24 AWG - 10 lbs (44 N)
26 AWG - 5 lbs (22 N)	28 AWG - 3 lbs (13 N)

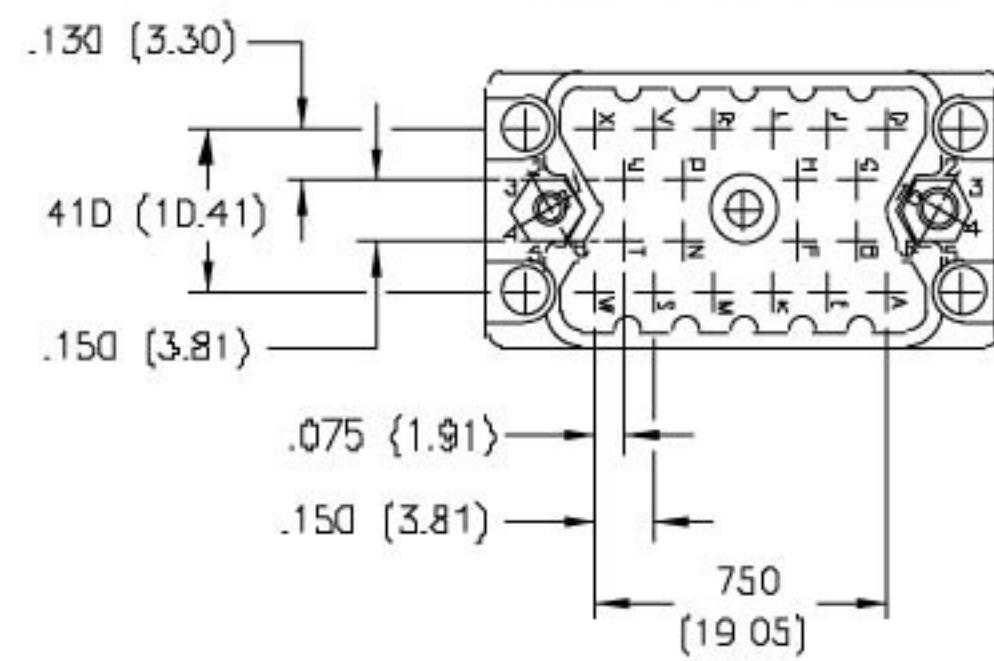
516 SERIES RACK & PANEL CONNECTOR

Plug and Receptacle

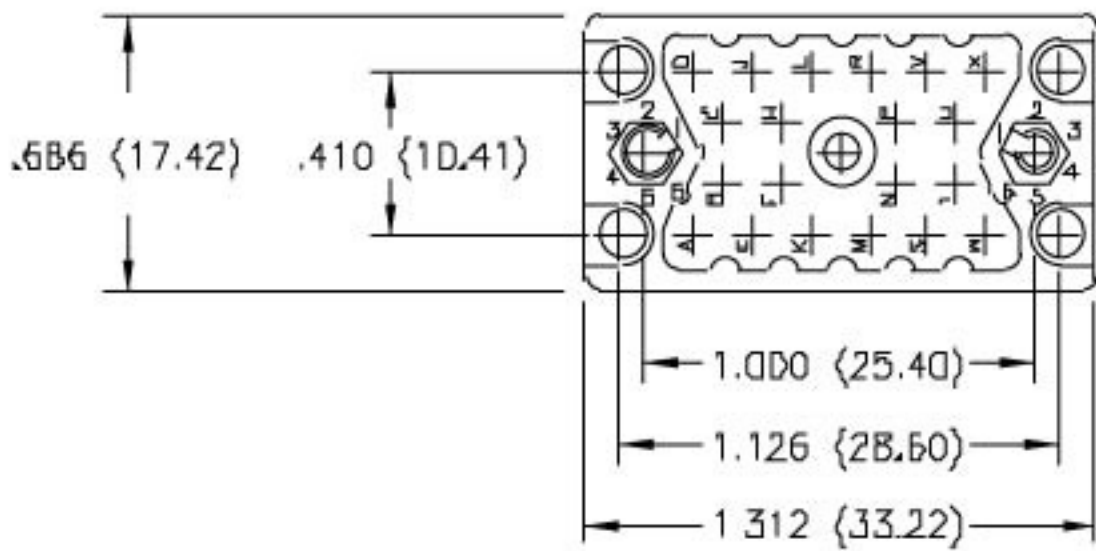
CONNECTOR MATING FACE VIEWS

DIMENSIONS INDICATED FOR EACH SIZE APPLY TO BOTH PLUG AND RECEPTACLE

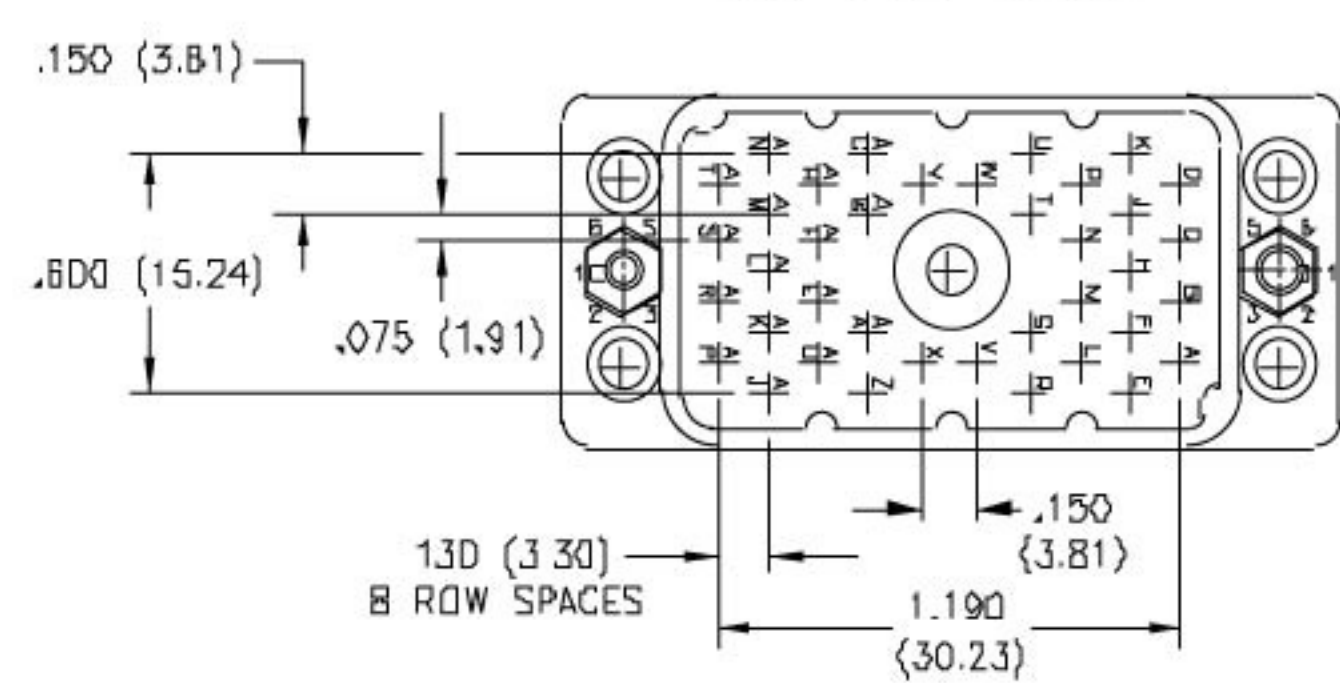
20 PIN PLUG



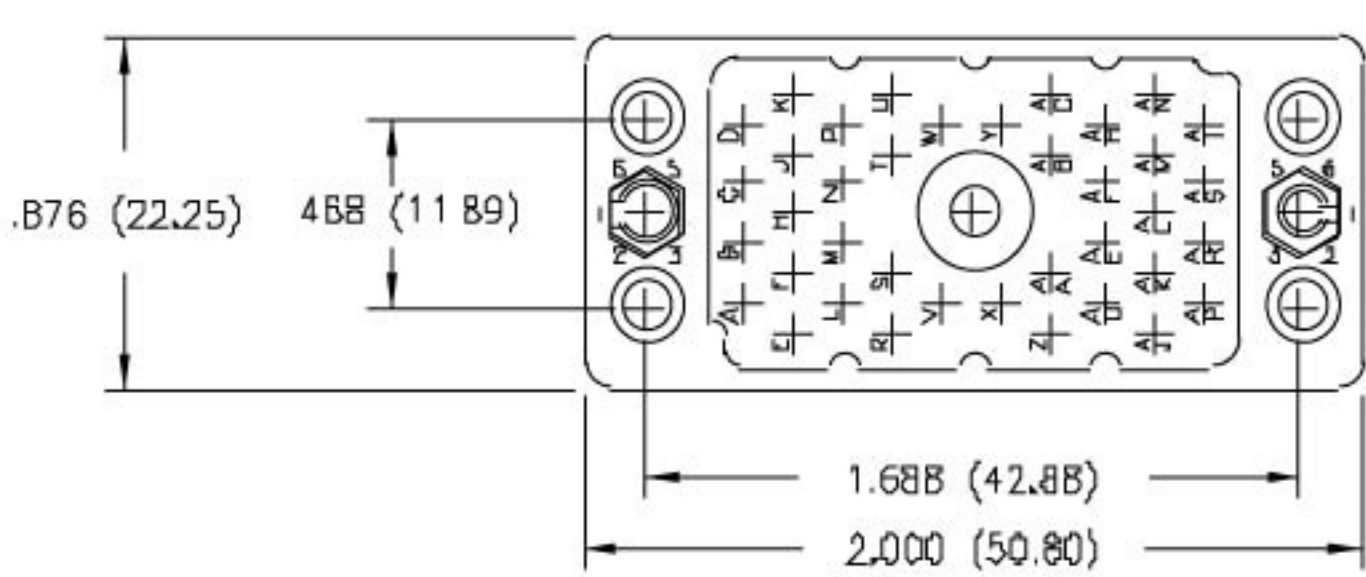
20 PIN RECEPTACLE



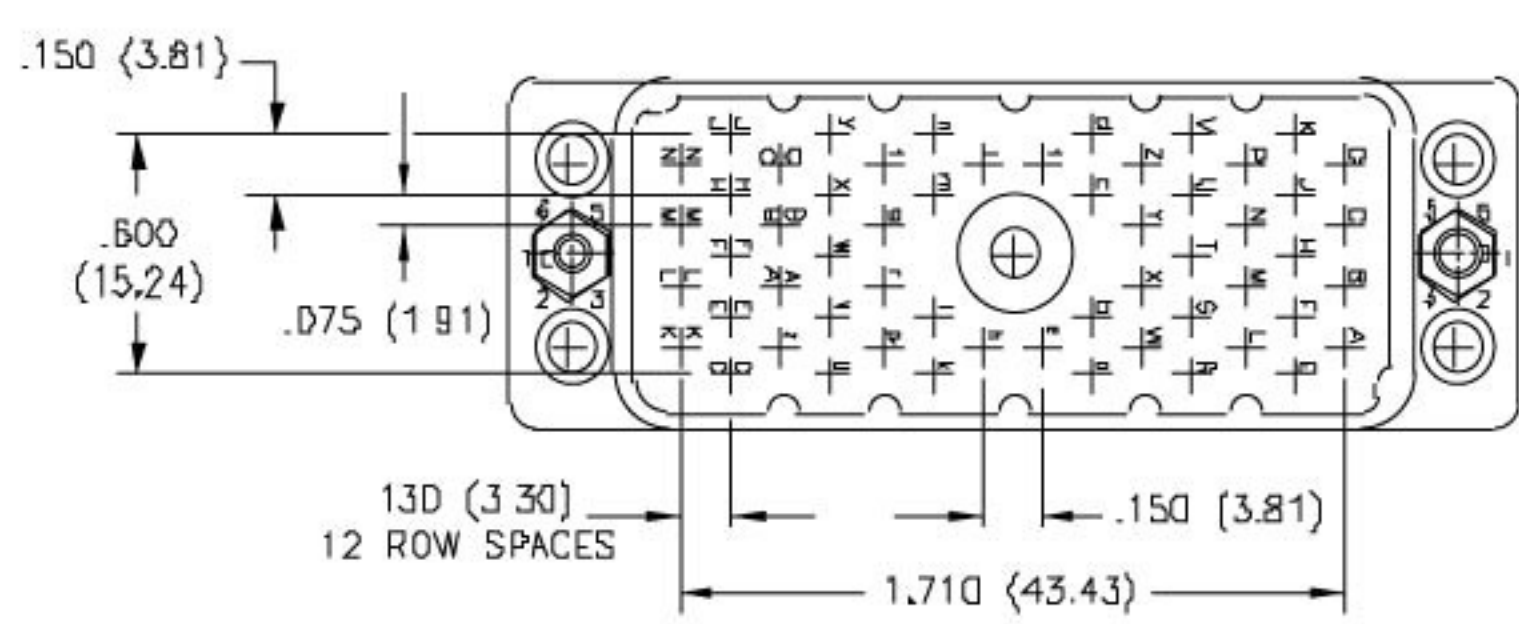
38 PIN PLUG



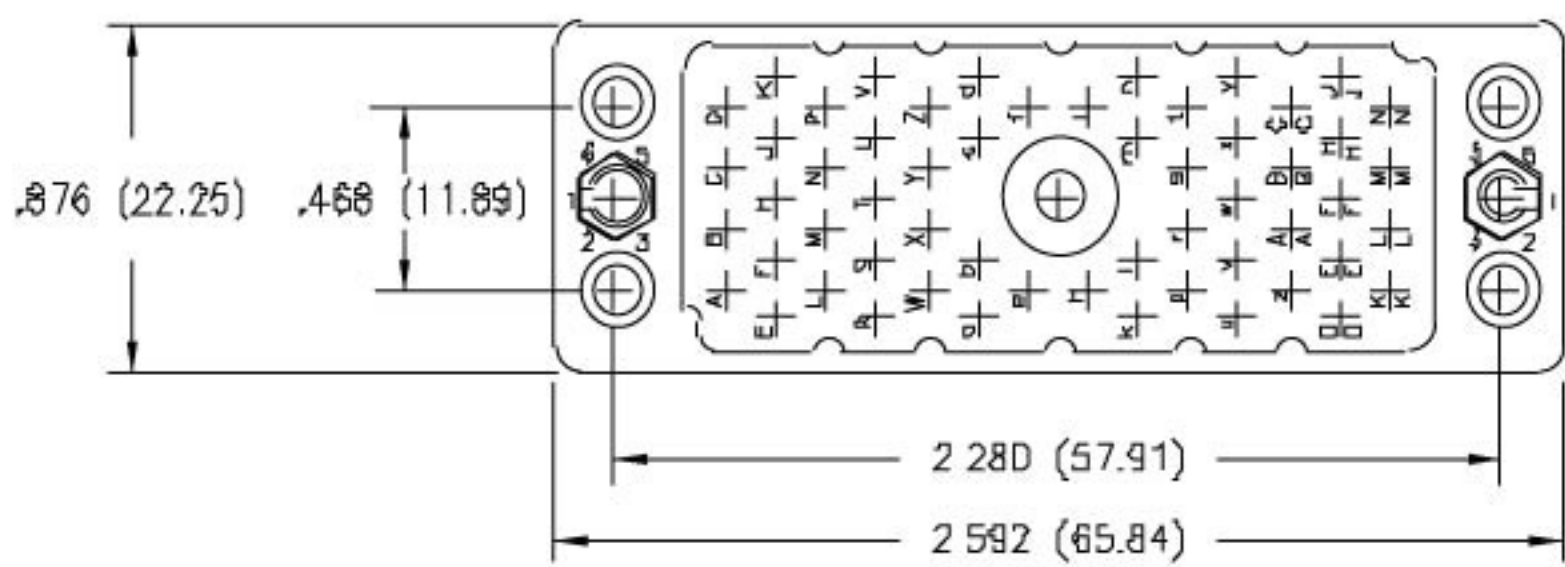
38 PIN RECEPTACLE



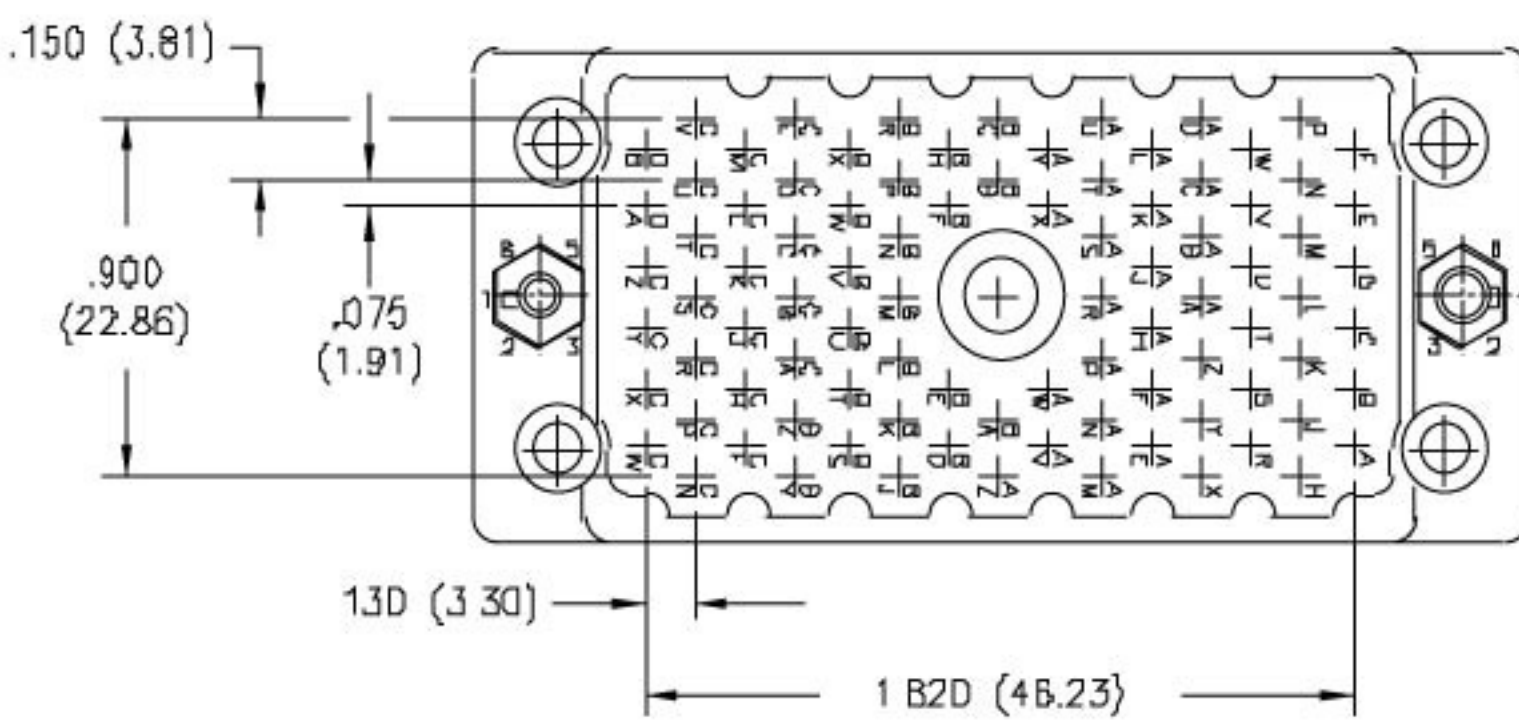
56 PIN PLUG



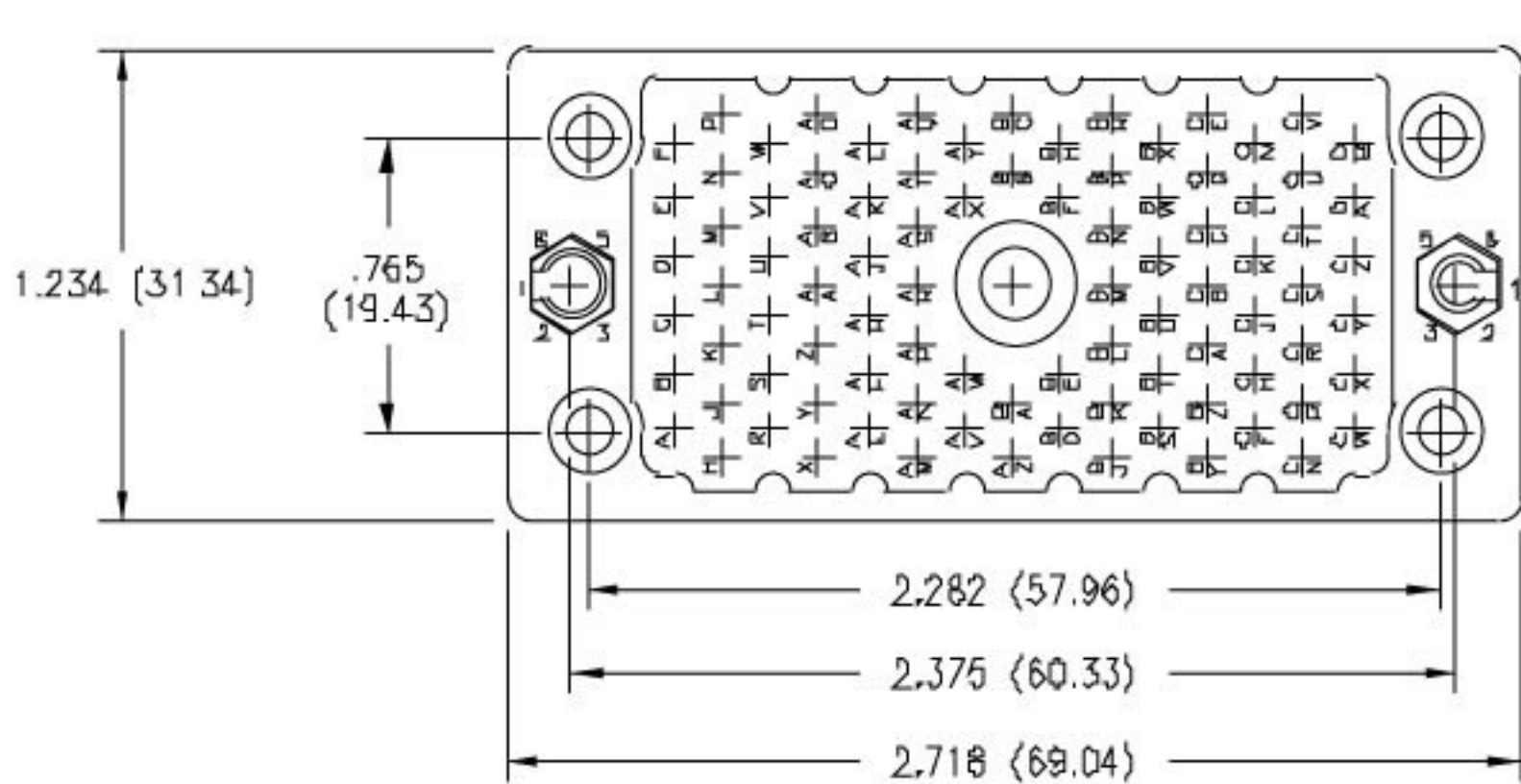
56 PIN RECEPTACLE



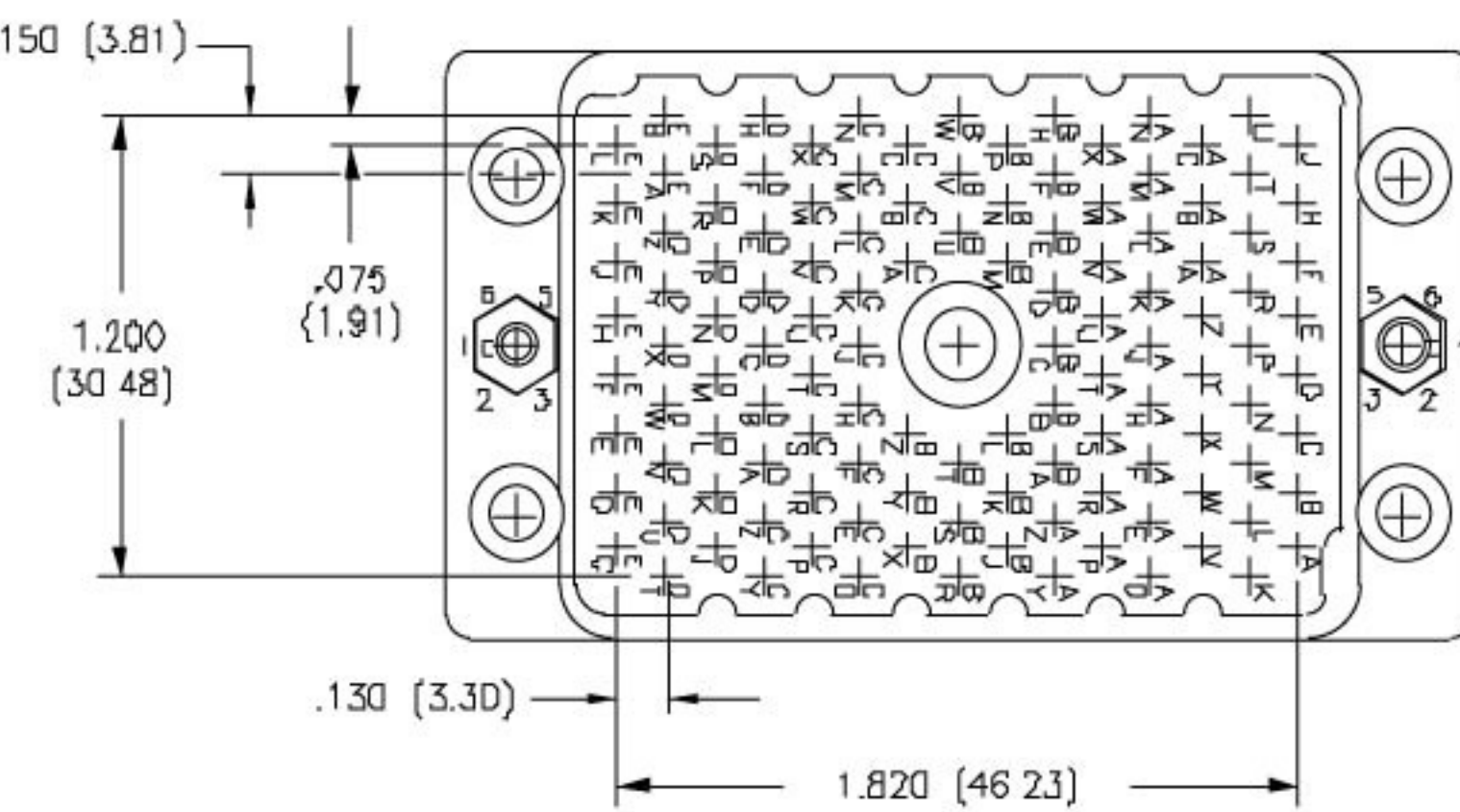
90 PIN PLUG



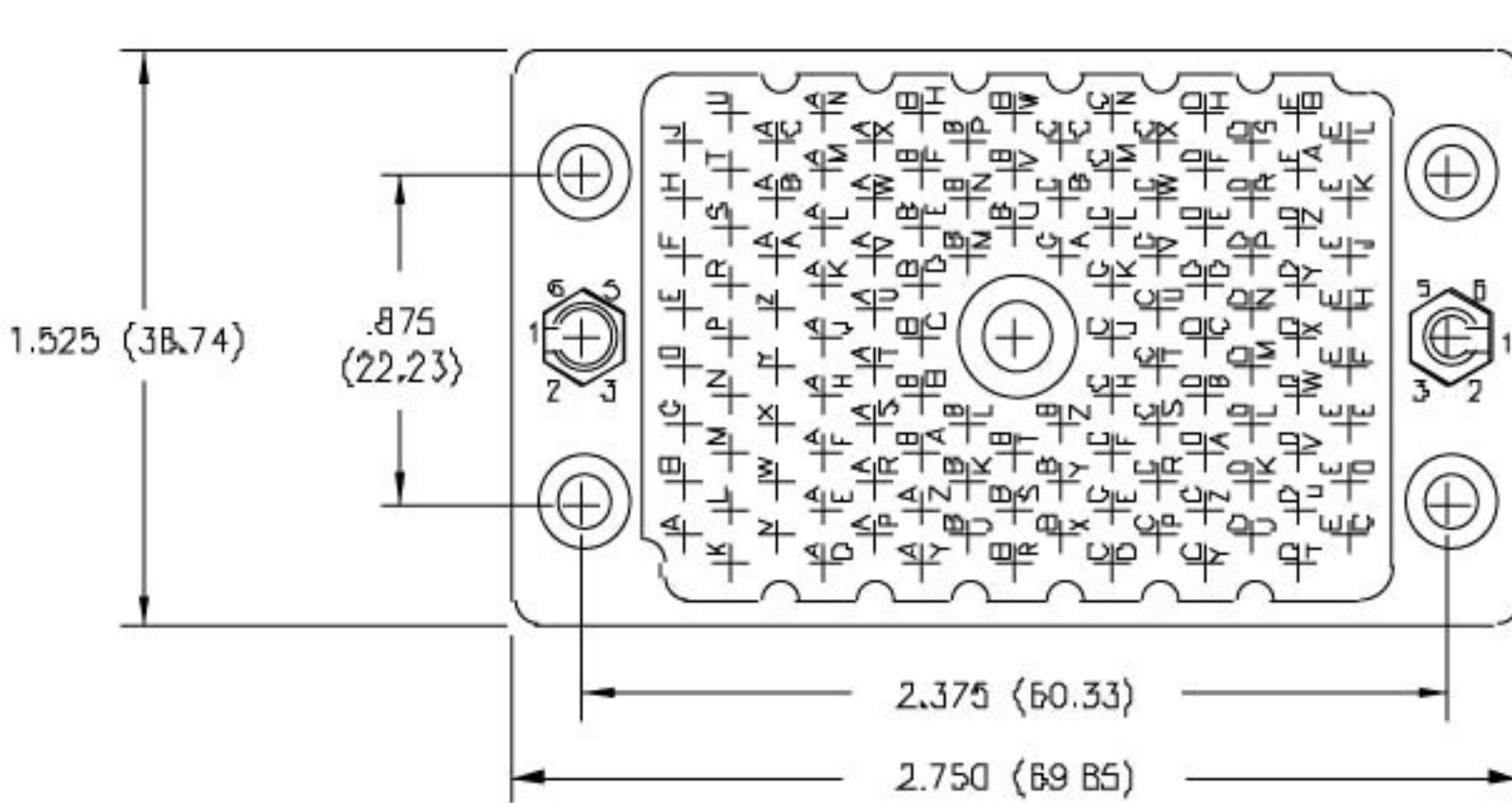
90 PIN RECEPTACLE



120 PIN PLUG



120 PIN RECEPTACLE



RACK & PANEL CONNECTOR SERIES 516

Metal and Plastic Covers

516 SERIES COVER ORDERING CODE

Example Part Number **516 - 230 - 5 56**

Series _____
Cover Identification Code _____
Cover Type _____
Cover Size _____

Series 516

Cover Identification Code 230

Cover Type ^{1, 2}	Description
1	Plastic Cover, Top Entry Standard Clamp
2	Plastic Cover, Side Entry Standard Clamp
3	Plastic Cover, Top Entry Large Clamp
4	Plastic Cover, Side Entry Large Clamp
5	Metal Cover, Side Entry
6	Metal Cover, Top Entry
7	Metal Cover, Large Clamp

Cover Size	Fits Connector
12	516 Series 120 Pin
20	516 Series 20 Pin and 519 Series 14 Pin
38	516 Series 38 Pin and 519 Series 36 Pin
56	516 Series 56 Pin
90	516 Series 90 Pin

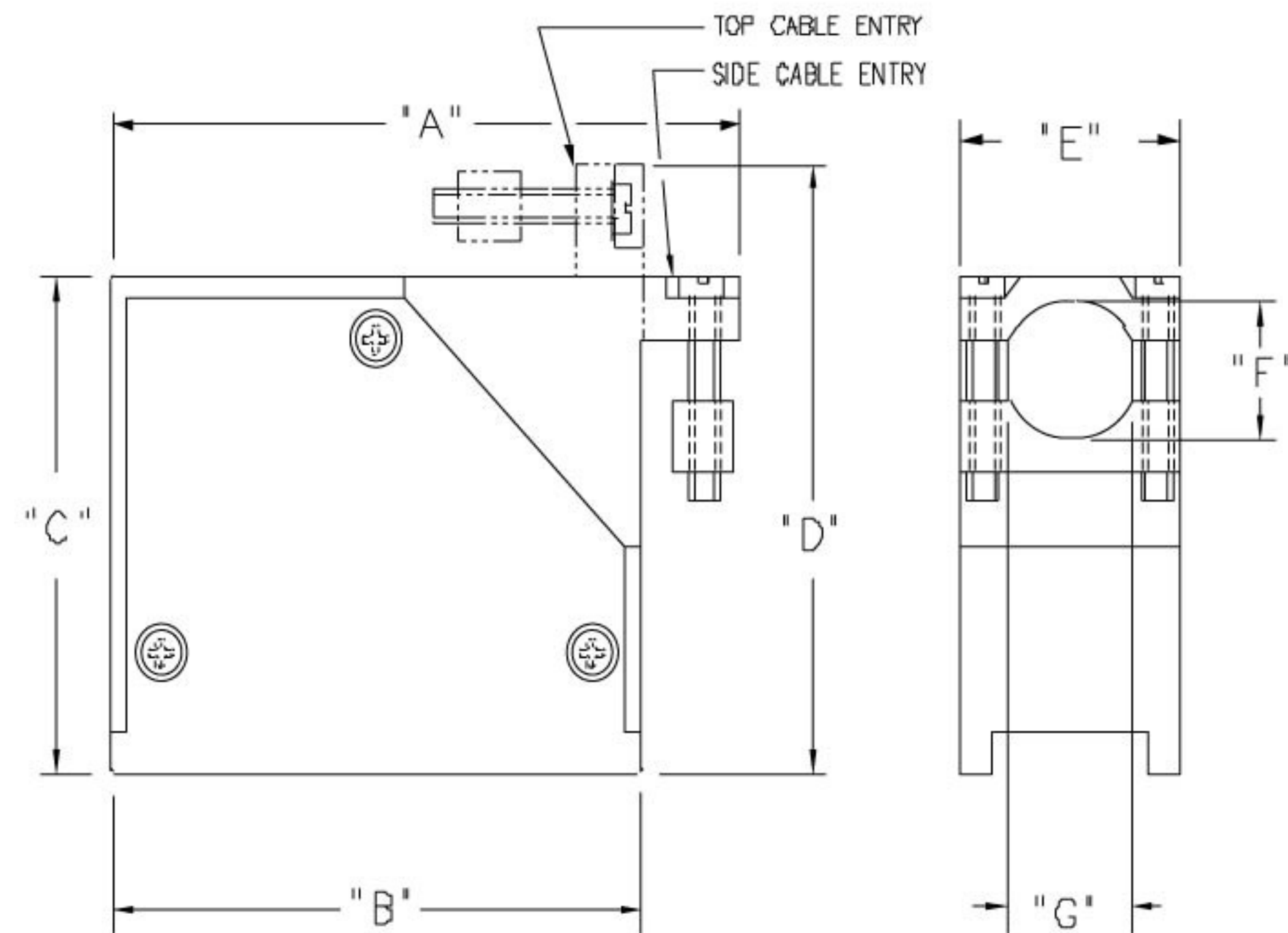
Ordering Code Notes

- 1) Plastic covers with large clamps are only available for the 38 and 56 pin size connectors.
- 2) Metal covers with side entry may be converted to top entry by removing side plate and changing clamp orientation.

FEATURES

- Available in Metal (Die-Cast Zinc Finished with Grey Enamel Paint) or Plastic (Green Polycarbonate) Material
- Covers with Top or Side Entry Cable Clamp. Orientation of Clamp on Metal Covers may be changed by the Customer
- Versatile Metal Cover Design permits Assembly or Disassembly after Cabling is Complete
- Screws for Securing Cover to 516 or 519 Series Connectors Supplied

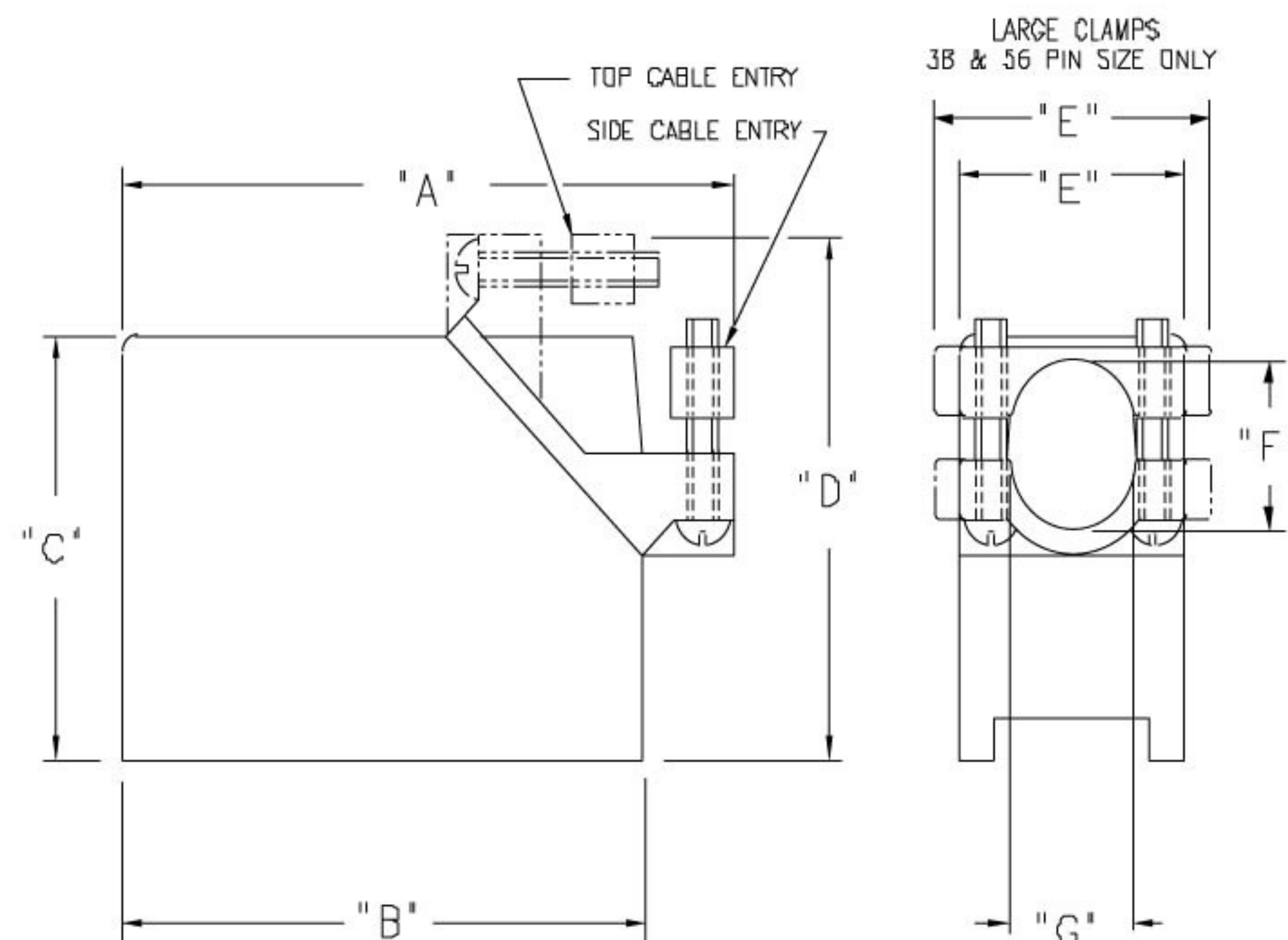
METAL COVERS



NEW COVER DESIGN (AVAILABLE SOON) WILL ELIMINATE 3 SCREWS FOR SIDE TO SIMPLIFY ASSEMBLY, DISASSEMBLY AND CLAMP ORIENTATION CHANGES

SCREWS FOR SECURING THE COVER TO THE CONNECTOR ARE SUPPLIED BY EDAC

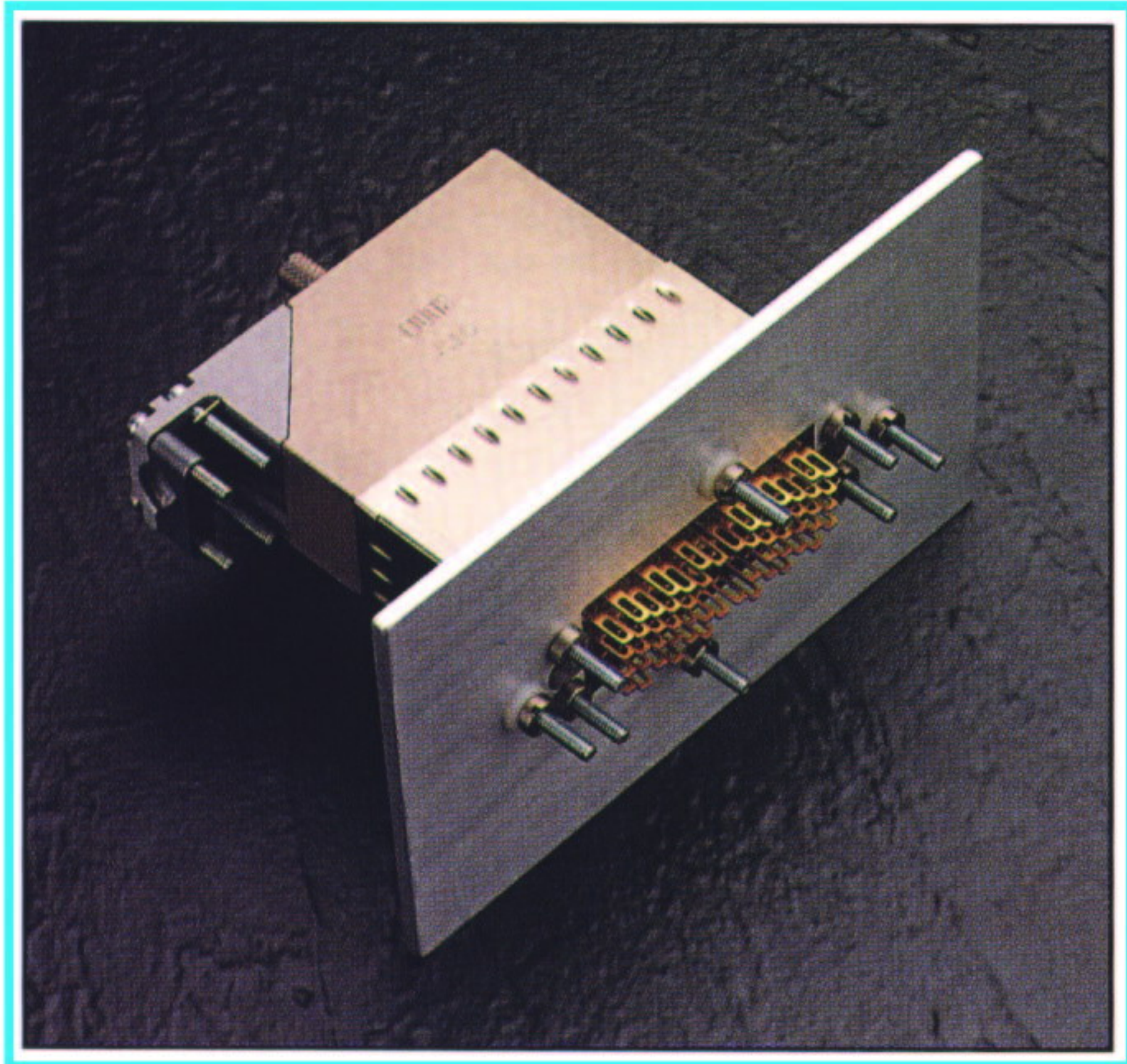
PLASTIC COVERS



COVER FOR CONNECTOR	COVER MATERIAL	CLAMP SIZE	"A"		"B"		"C"		"D"		"E"		"F"		"G"	
			Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
20 Pin	Plastic	Standard	1.605	(40.77)	1.325	(33.66)	.906	(23.01)	1.190	(30.23)	.715	(18.16)	.450	(11.43)	.450	(11.43)
20 Pin	Metal	Standard	1.539	(39.09)	1.325	(33.66)	.906	(23.01)	1.120	(28.45)	.686	(17.42)	.446	(11.33)	.490	(12.45)
38 Pin	Plastic	Standard	2.460	(62.48)	2.010	(51.05)	1.530	(38.86)	1.985	(50.42)	.910	(23.11)	.650	(16.51)	.500	(12.70)
38 Pin	Plastic	Large	2.460	(62.48)	2.010	(51.05)	1.530	(38.86)	1.985	(50.42)	1.110	(28.19)	.650	(16.51)	.608	(15.44)
38 Pin	Metal	Standard	2.206	(56.03)	2.006	(50.95)	1.566	(39.78)	1.766	(44.86)	.875	(22.23)	.720	(18.29)	.575	(14.61)
56 Pin	Plastic	Standard	3.052	(77.52)	2.602	(66.09)	1.530	(38.86)	1.985	(50.42)	.910	(23.11)	.650	(16.51)	.500	(12.70)
56 Pin	Plastic	Large	3.052	(77.52)	2.602	(66.09)	1.530	(38.86)	1.985	(50.42)	1.110	(28.19)	.650	(16.51)	.608	(15.44)
56 Pin	Metal	Standard	2.802	(71.17)	2.602	(66.09)	1.566	(39.78)	1.766	(44.86)	.875	(22.23)	.720	(18.29)	.575	(14.61)
90 Pin	Plastic	Standard	3.124	(79.35)	2.718	(69.04)	1.775	(45.09)	2.181	(55.40)	1.250	(31.75)	.800	(20.32)	.800	(20.32)
90 Pin	Metal	Standard	3.118	(79.20)	2.718	(69.04)	1.775	(45.09)	2.175	(55.25)	1.234	(31.34)	.880	(22.35)	.900	(22.86)
120 Pin	Plastic	Standard	3.156	(80.16)	2.750	(69.85)	2.020	(51.31)	2.426	(61.62)	1.530	(38.86)	.800	(20.32)	1.080	(27.43)
120 Pin	Metal	Standard	3.175	(80.65)	2.750	(69.85)	2.020	(51.31)	2.445	(62.10)	1.531	(38.89)	.890	(22.61)	1.080	(27.43)

516 SERIES RACK & PANEL CONNECTOR

Plug and Receptacle with EMI / REI Shielding



FEATURES

- UL Recognized
- .150 (3.81) Contact Spacing x .130 (3.30) or .150 (3.81) Row Spacing with Staggered Grid
- Plug and Receptacle in 20, 38, 56, 90 or 120 Contact Sizes
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options include Crimp, P.C. Tail, Wire Hole, Wire Wrap and Tapet Tail
- Mating and Unmating Simplified with use of Actuating Screws
- Optional Covers with Cable Clamp Available Material for all Connector Sizes with Side or Top Cable Entry
- Versatile Cover Design permits Assembly or Dis-assembly After Cabling is Complete plus Cable Entry Style Flexibility
- Actuating Screws, Locknuts, Polarizing Hardware, Covers and Contacts Suitable for either Plug or Receptacle
- Polarizing Hardware Adjustable for 288 Mating Combinations
- Tools Available for Contact Installation, Removal and Crimping and Polarizing Changes
- EMI / RFI Shielding Hardware

SPECIFICATIONS

- Insulator Material: Diallyl Phthalate or Thermoplastic Polyester, UL 94V-0, Colour: Green, or Polycarbonate, Colour: Grey
- Contact Material: Phosphor Bronze Alloy CA-510
- Contact Plating: Gold over Nickel for Entire Contact
- Cover Material: Die-Cast Zinc
- Current Rating: 8.5 Amperes
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 2000 V AC rms at Sea Level
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -65 to +125 Degrees C
- Insertion and Withdrawal Force: 2 to 16 oz (0.56 to 4.45 N) per Contact Position
- Shielded Covers available with unpainted finish only

516 SERIES ORDERING CODE

Example Part Number **516 - 038 - 500 - B 2 1 2**

Series _____
Total Number of Contacts _____
Contact Code _____
Style and Material _____
Color Code _____
Cover Code _____
Hardware Code _____

Note: If no color code is indicated, standard colors will be supplied

Series 516

Total Number of Contacts

020, 038, 056, 090 or 120

Contact Code ^{1,2}	Description & Tail Size	Tail Length "G"	
000	No Contacts Assembled	—	—
500	Wire Hole .110 x .024 (2.79 x 0.61)	.245	(6.22)
501	Taper Tail	.245	(6.22)
520	P.C. Tail .025 x .024 (0.64 x 0.61)	.215	(5.46)
540	Wire Wrap .050 x .024 (1.27 x 0.61)	.600	(15.24)
541	Wire Wrap .026 x .024 (0.66 x 0.61)	.620	(15.75)
542	Wire Wrap .050 x .024 (1.27 x 0.61)	.790	(20.07)

Style and Material ³	Style	Insulator Material
1	Plug	Green Diallyl Phthalate
2	Receptacle	Green Diallyl Phthalate
3	Plug	Grey Polycarbonate
4	Receptacle	Grey Polycarbonate
5	Plug	Green Polyester
6	Receptacle	Green Polyester

Cover Code ^{4,5,6,7}	Description
7	Shielded Metal Cover, Side Entry
8	Shielded Metal Cover, Top Entry

Hardware Code ⁸	Description
0	No Hardware Assembled
1	Actuating Screw and Polarizing Hardware
2	Locknut and Polarizing Hardware
5	Actuating Screw with No Polarizing Hardware
6	Locknut with No Polarizing Hardware

Ordering Code Notes

1) Crimp contacts are also available for the 516 series connectors. Contacts may be ordered separately for pre-wired or select position assembly.

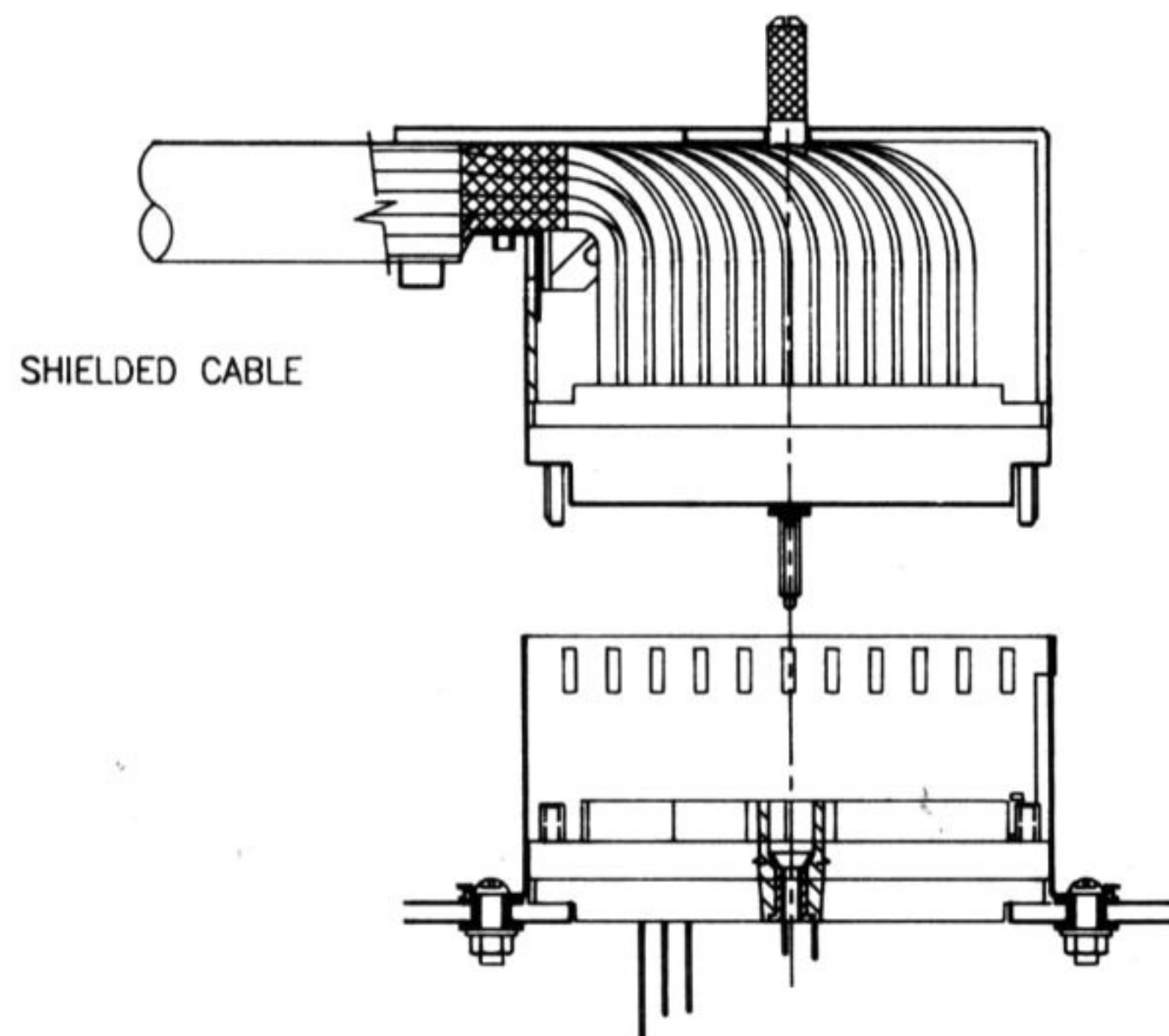
Part Number	Description	Silhouette
516-290-500	Wire Hole	
516-290-501	Taper Tail	
516-290-520	P.C. Tail	
516-290-540	Wire Wrap	
516-290-541	Wire Wrap	
516-290-542	Wire Wrap	
516-290-590	Crimp - Loose	
516-290-591	Crimp - 1800 Contacts per reel	

Continued on next page

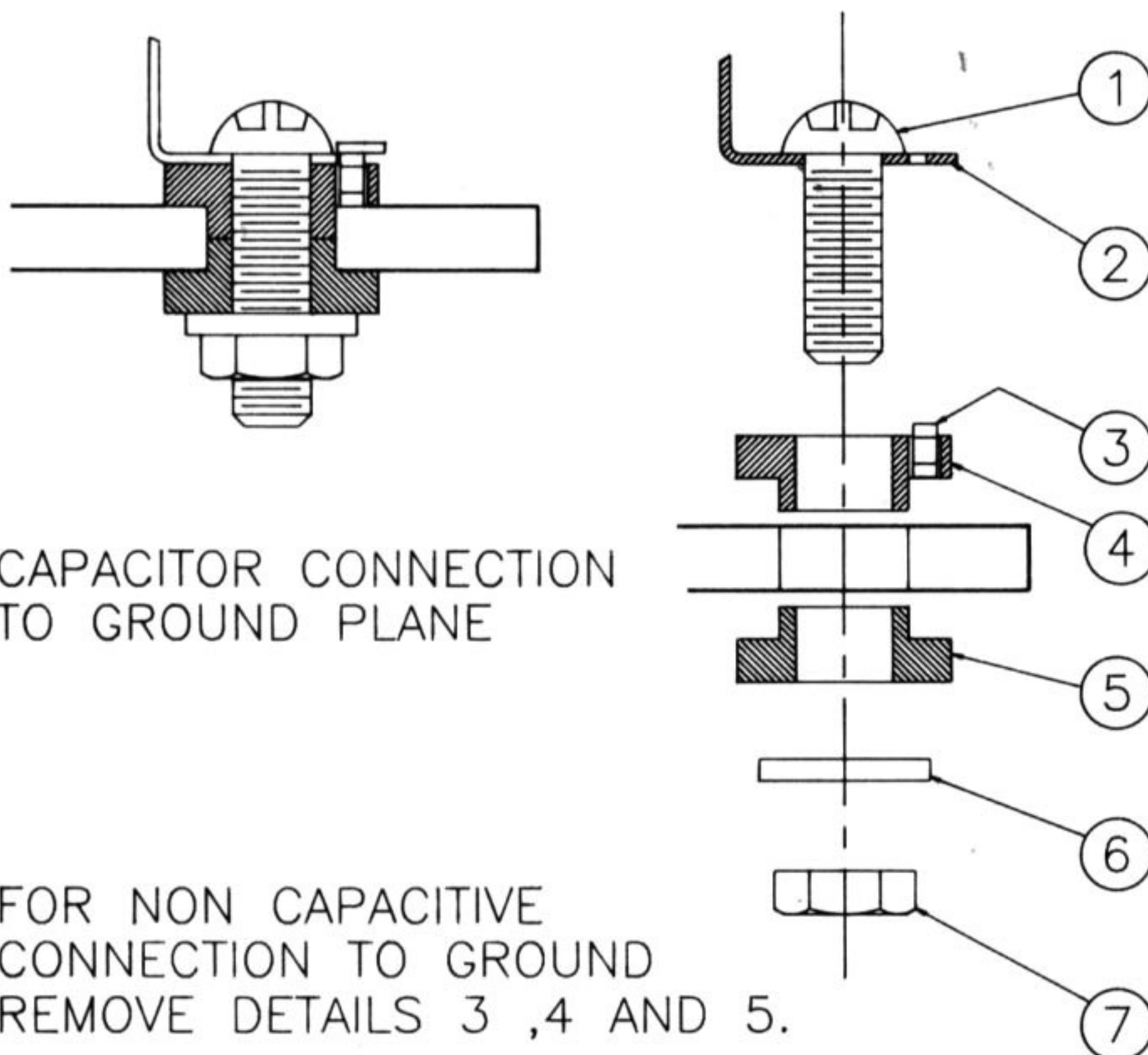
RACK & PANEL CONNECTORS SERIES 516

EMI / RFI Shielded Covers

STANDARD EDAC 516 SERIES PLUG OR RECEPTACLE CONNECTOR
WITH BRAID GROUNDING CLAMP ASSEMBLY

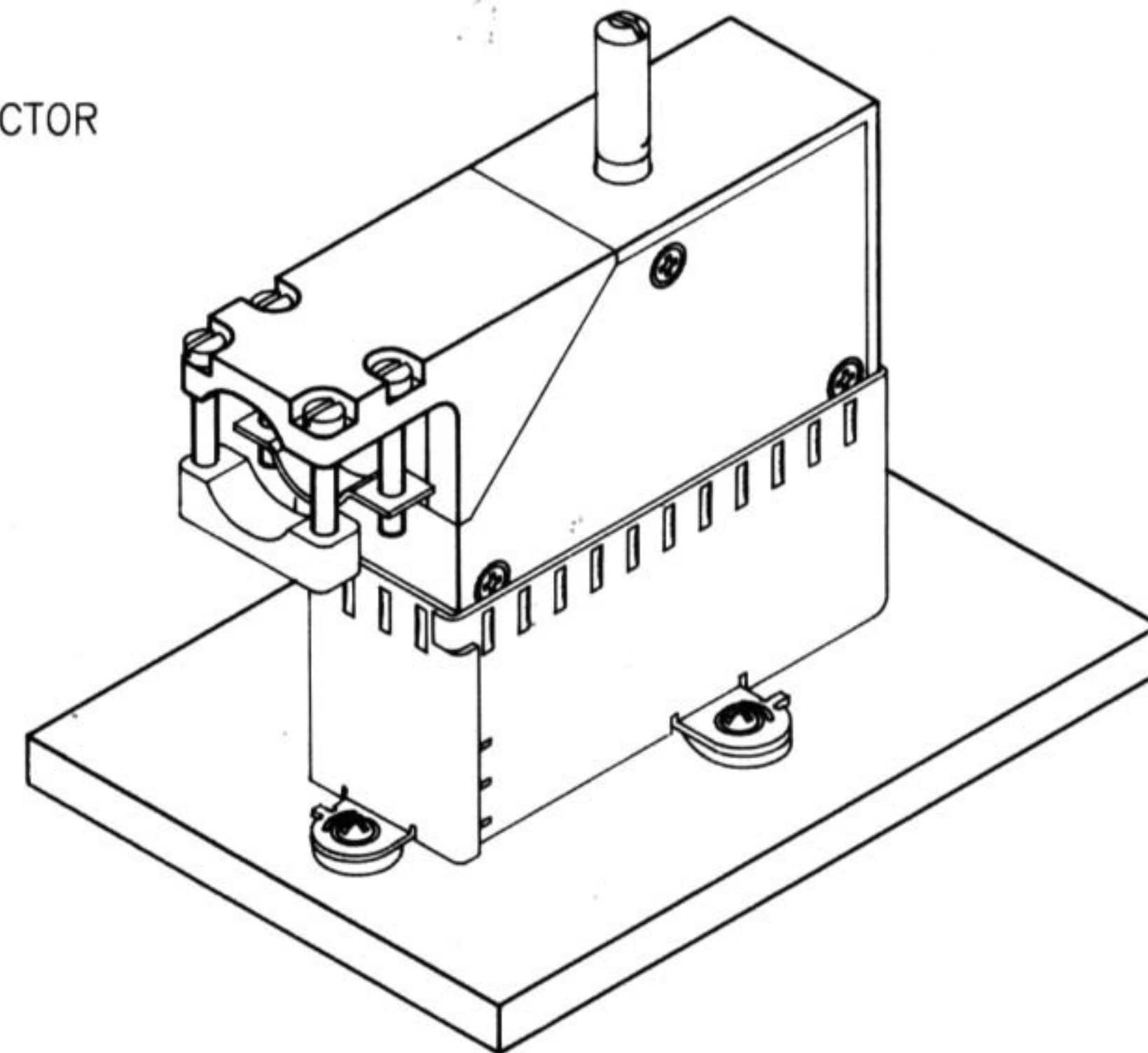


STANDARD EDAC 516 SERIES PLUG OR RECEPTACLE
CONNECTOR WITH SHIELDING HARDWARE IN PLACE

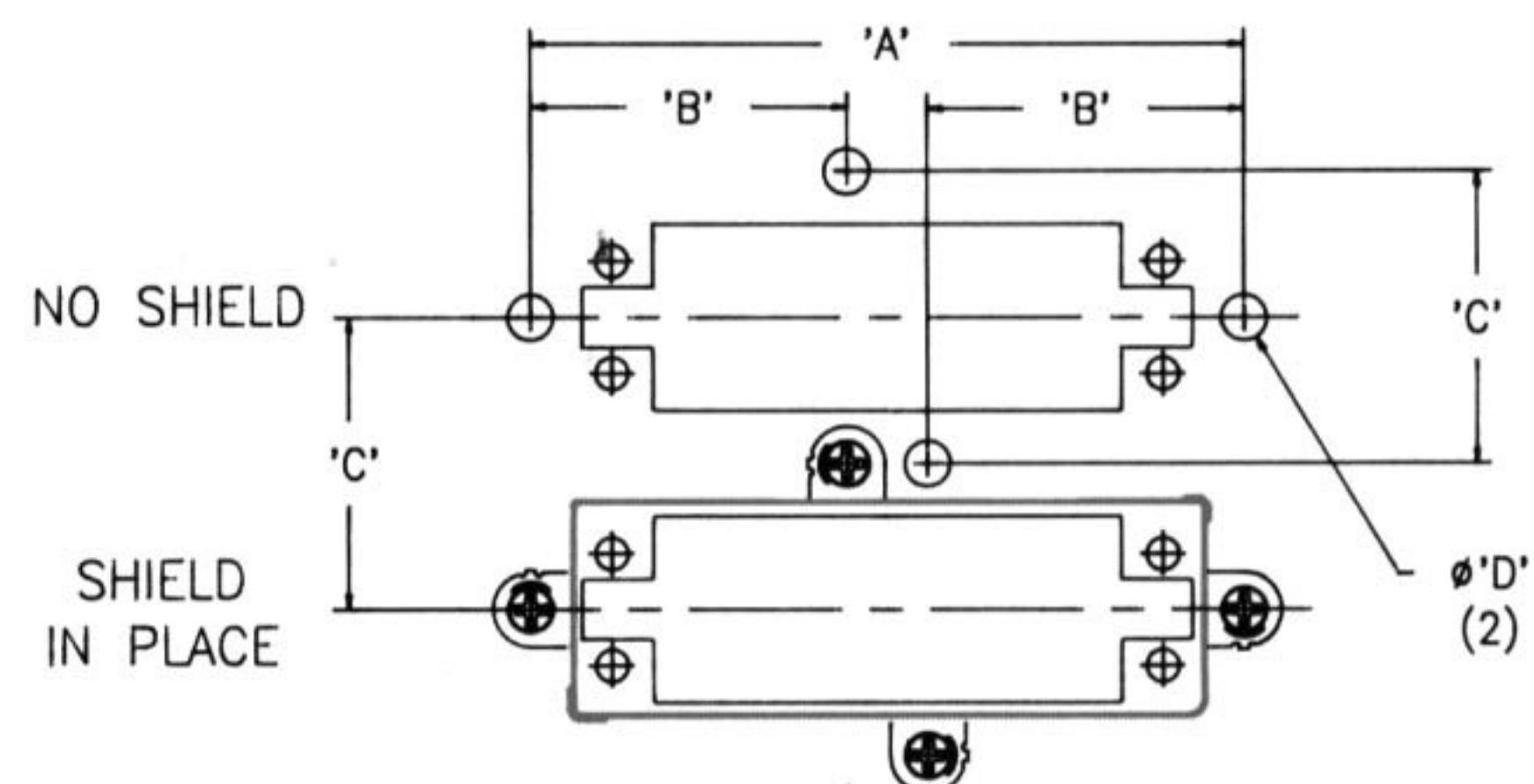


CAPACITOR CONNECTION
TO GROUND PLANE

FOR NON CAPACITIVE
CONNECTION TO GROUND
REMOVE DETAILS 3 ,4 AND 5.



PANEL CUT-OUT AND SHIELD MOUNTING HOLES
PANEL CUT AWAY TO CLEAR CONNECTOR



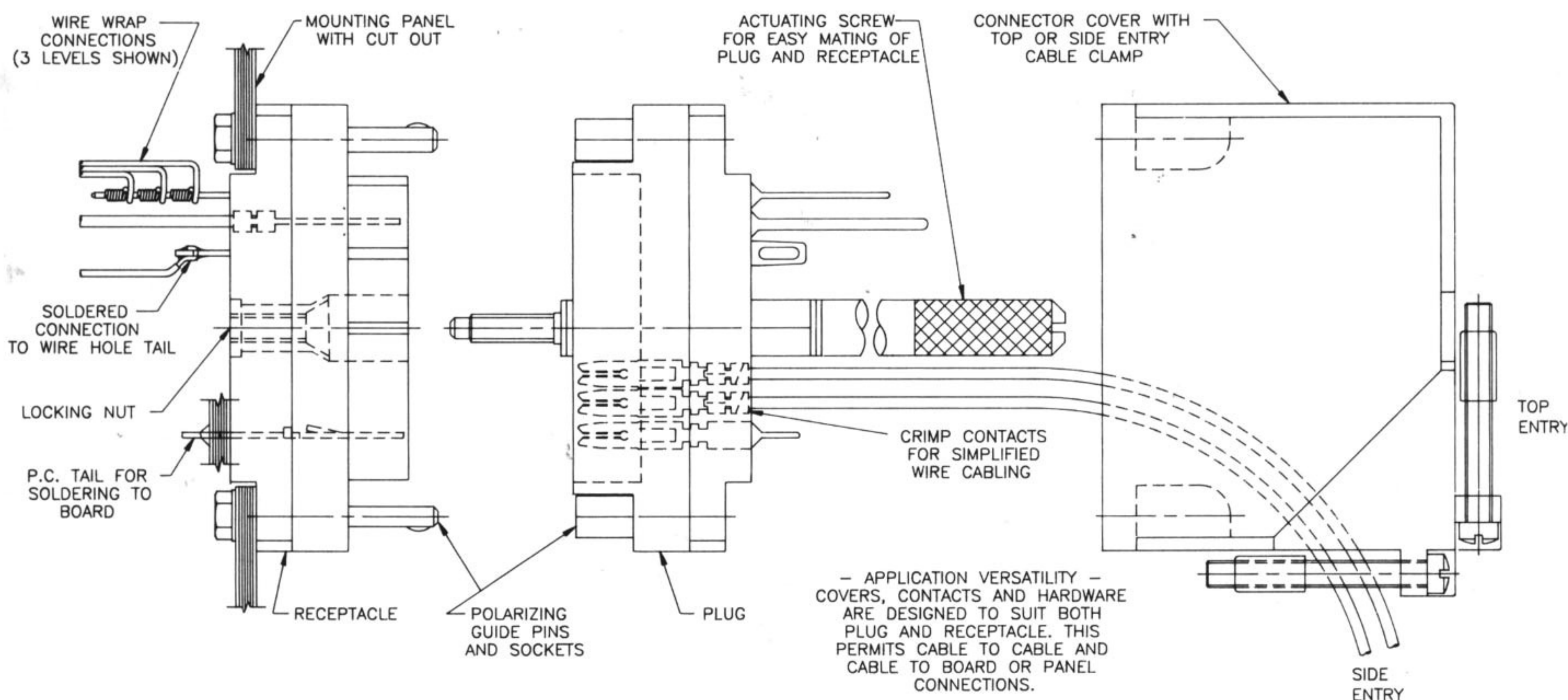
DETAIL No	DESCRIPTION
1	#4-40 P.H.C.S. X 3/4 LONG
2	PANEL SHIELD
3	SMD CAPACITOR
4	CAPACITOR RETAINER
5	INSULATING SPACER
6	#4- FLAT WASHER
7	#4-40 HEX NUT

NUMBER OF CONTACTS	"A"		"B"		"C"		"D"	
	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)
20	1.679	(42.65)	.673	(17.09)	1.061	(26.95)	.190	(4.83)
38	2.360	(59.94)	1.014	(25.75)	1.220	(31.01)	.190	(4.83)
56	2.956	(75.08)	1.312	(33.52)	1.220	(31.01)	.190	(4.83)
90	3.072	(78.05)	1.370	(34.80)	1.580	(40.13)	.190	(4.83)
120	3.104	(78.84)	1.386	(35.20)	1.877	(47.68)	.190	(4.83)

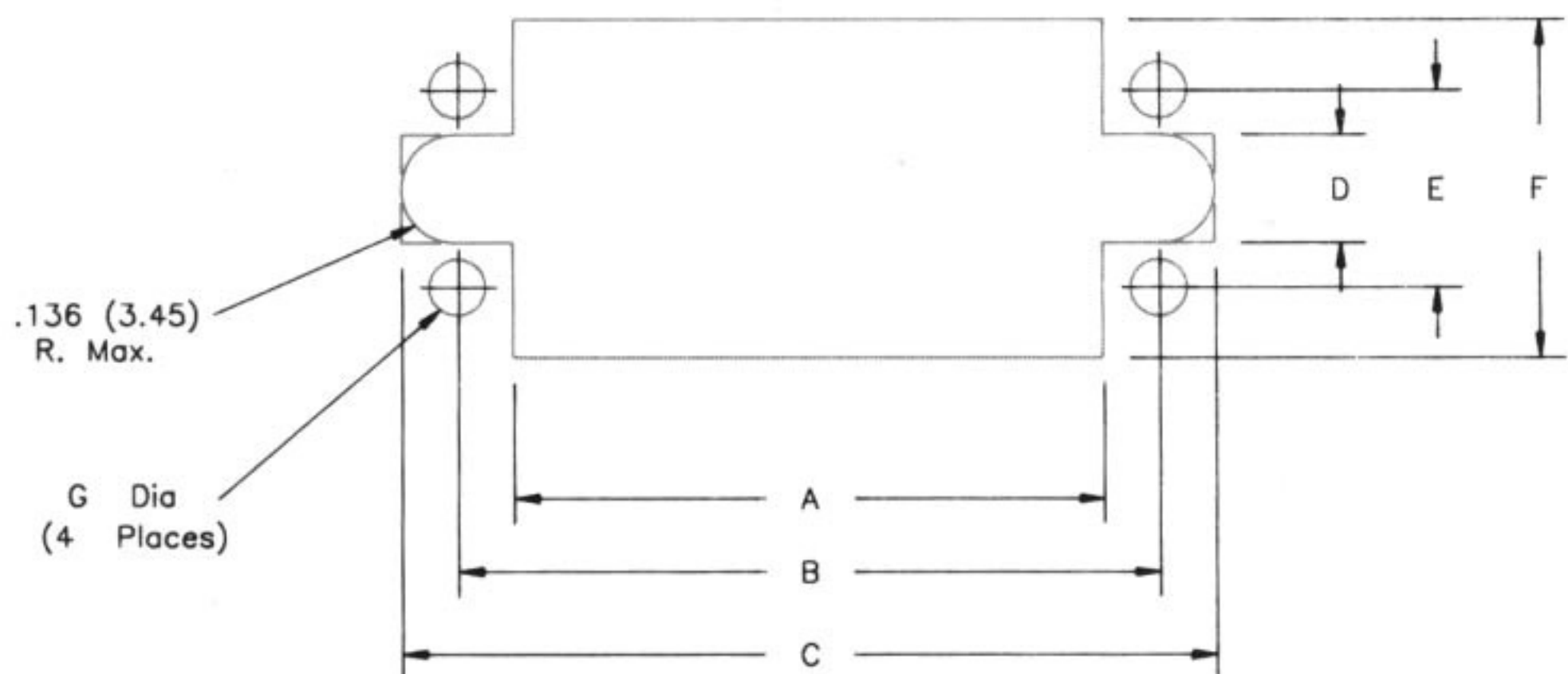
516 SERIES RACK & PANEL CONNECTOR

Mounting Information

RACK AND PANEL CONNECTORS



516 / 519 SERIES CONNECTOR PANEL MOUNTING CUT-OUT



516 SERIES CONNECTOR CUT OUTS

CONNECTOR SIZE	A	B	C	D	E	F	G Dia
20 pin	.960 (24.38)	1.126 (28.6)	1.270 (32.26)	.260 (6.60)	.410 (10.41)	.640 (16.26)	.104 (2.64)
38 pin	1.420 (36.07)	1.688 (42.87)	1.958 (49.73)	.260 (6.60)	.468 (11.89)	.816 (20.73)	.136 (3.45)
56 pin	1.940 (49.28)	2.280 (57.91)	2.550 (64.77)	.260 (6.60)	.468 (11.89)	.816 (20.73)	.136 (3.45)
90 pin	2.050 (52.07)	2.282 (57.96)	2.675 (67.95)	.300 (7.62)	.765 (19.43)	1.120 (36.07)	.136 (3.45)
120 pin	2.050 (52.07)	2.375 (60.32)	2.675 (67.95)	.300 (7.62)	.875 (22.22)	1.420 (36.07)	.156 (3.96)

519 SERIES CONNECTOR CUT OUTS

CONNECTOR SIZE	A	B	C	D	E	F	G Dia
14 pin	.960 (24.38)	1.126 (28.6)	1.270 (32.26)	.260 (6.60)	.410 (10.41)	.640 (16.26)	.104 (2.64)
36 pin	1.420 (36.07)	1.688 (42.87)	1.958 (49.73)	.260 (6.60)	.468 (11.89)	.816 (20.73)	.136 (3.45)

516 SERIES RACK & PANEL CONNECTORS

Ordering Information

PLUG

NO HARDWARE WITH LOCKING NUT WITH ACTUATING SCREW

RECEPTACLE

NO HARDWARE WITH ACTUATING SCREW WITH LOCKING NUT

PLUG WITH COVER

TOP ENTRY SIDE ENTRY NO HARDWARE WITH LOCKING NUT WITH ACTUATING SCREW

RECEPTACLE WITH COVER

TOP ENTRY SIDE ENTRY NO HARDWARE WITH ACTUATING SCREW WITH LOCKING NUT

ORDERING CODE

516 056 540 102

SERIES NUMBER OF CONTACTS CONTACT CODE

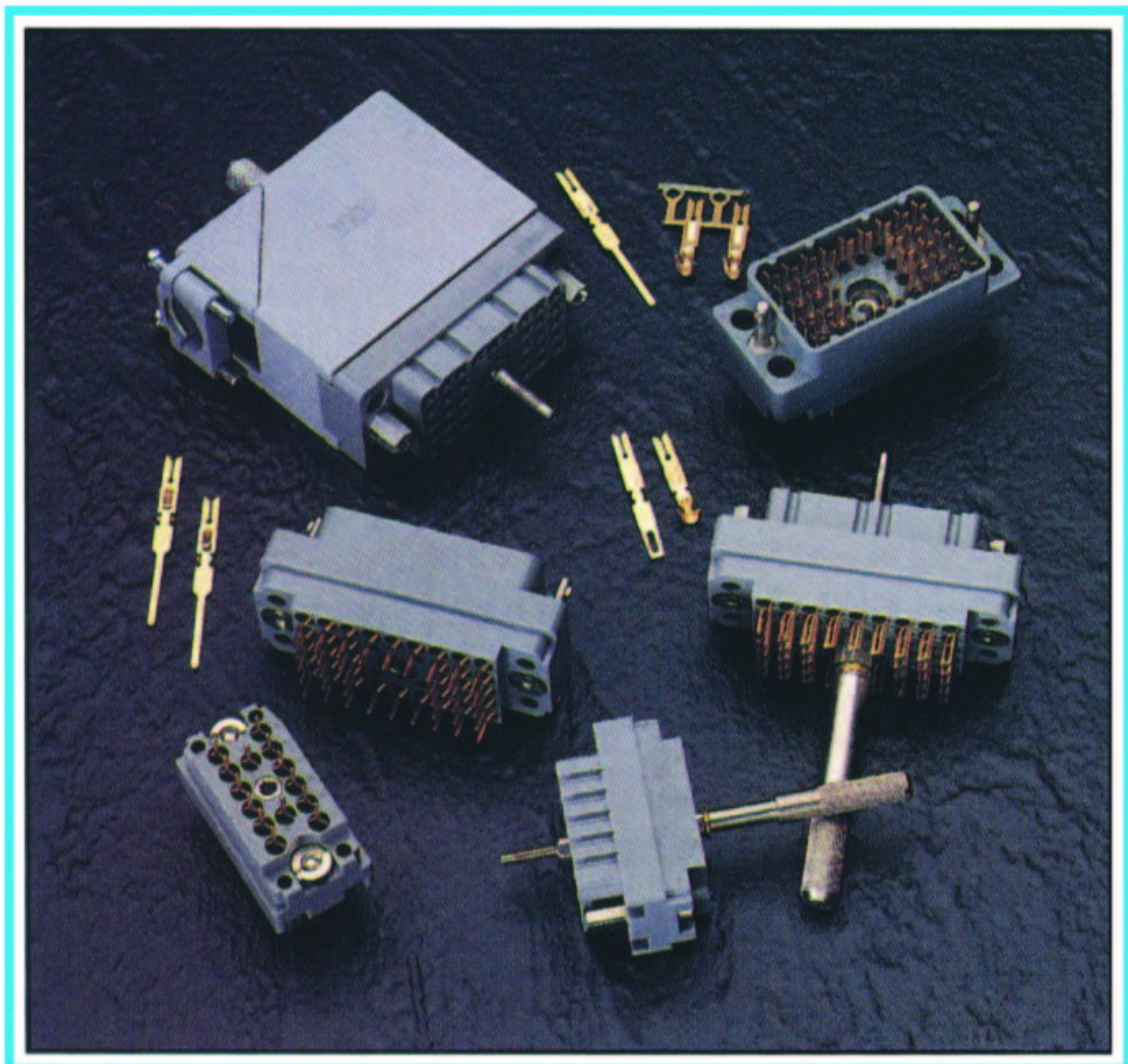
DAP CODE	STYLE	DESCRIPTION	POLYCARB CODE
101	P L U G	ACTUATING SCREW	301
102		LOCKING NUT	302
100		NO HARDWARE	300
202	R E C E P T A C L E	ACTUATING SCREW	402
201		LOCKING NUT	401
200		NO HARDWARE	400

POLYCARBONATE CONNECTORS AVAILABLE IN 20,38,56 AND 90 PINS SIZES ONLY

CODE REG. CLAMP	STYLE	DESCRIPTION	CODE LARGE CLAMP
111	P L U G	ACTUATING SCREW, TOP ENTRY	131
121		ACTUATING SCREW, SIDE ENTRY	141
151		ACTUATING SCREW, METAL COVER	151
112		LOCKING, NUT TOP ENTRY	132
122		LOCKING, NUT SIDE ENTRY	142
152		LOCKING, NUT METAL COVER	152
110		NO HARDWARE, TOP ENTRY	152
120		NO HARDWARE, SIDE ENTRY	130
150		NO HARDWARE METAL COVER	150
211		R E C E P T A C L E	ACTUATING SCREW, TOP ENTRY
221	ACTUATING SCREW, SIDE ENTRY		241
251	ACTUATING SCREW, METAL COVER		251
212	LOCKING, NUT TOP ENTRY		232
222	LOCKING, NUT SIDE ENTRY		242
252	LOCKING, NUT METAL COVER		252
210	NO HARDWARE, TOP ENTRY		230
220	NO HARDWARE, SIDE ENTRY		240
250	NO HARDWARE METAL COVER		250

519 SERIES RACK & PANEL CONNECTOR

Plug and Receptacle



FEATURES

- .150 (3.81) Contact Spacing x .150 (3.81) Row Spacing Suitable For Automatic Wire Wrapping
- Plug and Receptacle in 14 or 36 Contact Sizes
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options include Crimp, P.C. Tail, Wire Hole and Wire Wrap
- Mating and Unmating Simplified with use of Actuating Screws
- Optional Covers with Side or Top Entry Cable Clamp in Plastic or Metal Material Available for all Connector Sizes
- Versatile Metal Cover Design permits Assembly or Disassembly After Cabling is Complete plus Cable Entry Style Flexibility
- Actuating Screws, Locknuts, Polarizing Hardware, Covers and Contacts Suitable for either Plug or Receptacle
- Polarizing Hardware Adjustable for 288 Mating Combinations
- Tools Available for Contact Installation, Removal and Crimping and Polarizing Changes

SPECIFICATIONS

- ◆ Insulator Material: Polycarbonate, Colour: Grey
- ◆ Contact Material: Phosphor Bronze Alloy CA-510
- ◆ Contact Plating: Gold over Nickel for Entire Contact
- ◆ Cover Material: Polycarbonate, Colour: Green, or Die-Cast Zinc, Finished with Grey Enamel Paint
- ◆ For Additional Specifications, Crimp Characteristics and Polarizing Codes Refer to 516 Series

519 SERIES ORDERING CODE

Example Part Number **519 - 036 - 500 - 3 0 1**

Series _____
Total Number of Contacts _____
Contact Code _____
Connector Style _____
Cover Code _____
Hardware Code _____

Series 519

Total Number of Contacts

014, 036

Contact Code

See 516 Series for Available Contact Options, "G" Dimension and Information Regarding Ordering Contacts Separately

Connector Style

3

4

Style

Plug

Receptacle

Cover Code ^{1, 2, 3, 4}

0

1

2

3

4

5

6

Description

No Cover Assembled

Plastic Cover, Top Entry Standard Clamp

Plastic Cover, Side Entry Standard Clamp

Plastic Cover, Top Entry Large Clamp

Plastic Cover, Side Entry Large Clamp

Metal Cover, Side Entry

Metal Cover, Top Entry

Hardware Code ⁵

0

1

2

5

6

Description

No Hardware Assembled

Actuating Screw and Polarizing Hardware

Locknut and Polarizing Hardware

Actuating Screw with No Polarizing Hardware

Locknut with No Polarizing Hardware

Ordering Code Notes

- 1) The 14 pin connector cover will not accept the length of the wire wrap contacts.
- 2) Plastic covers with large clamps are only available for the 36 pin size connectors.
- 3) Metal covers with side entry may be converted to top entry by removing side plate and changing clamp orientation.
- 4) Covers may be ordered separately. Refer to page 88.
- 5) Insulator design prevents improper mating of individual plug and receptacle. Polarizing hardware enables specific plug and receptacle mating combinations.

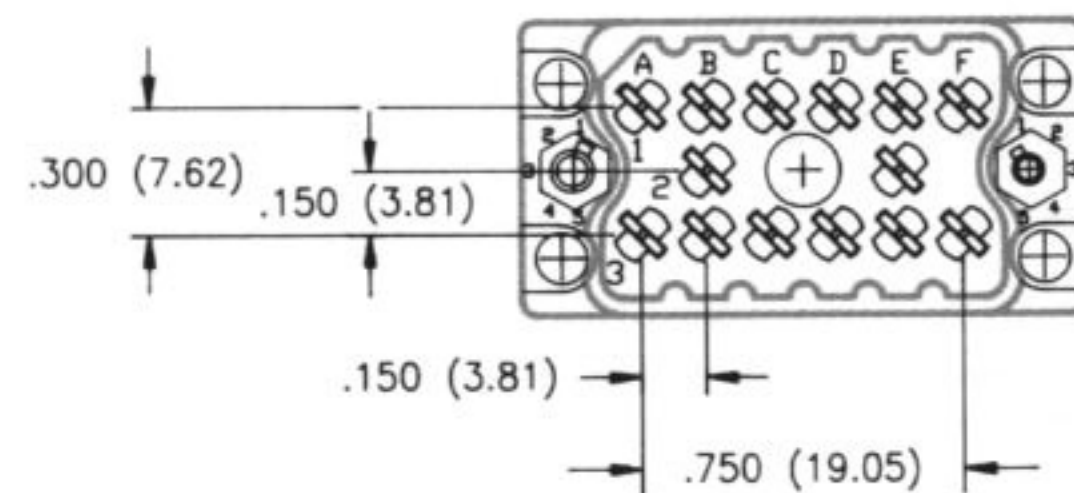
RACK & PANEL CONNECTOR SERIES 519

Plug and Receptacle

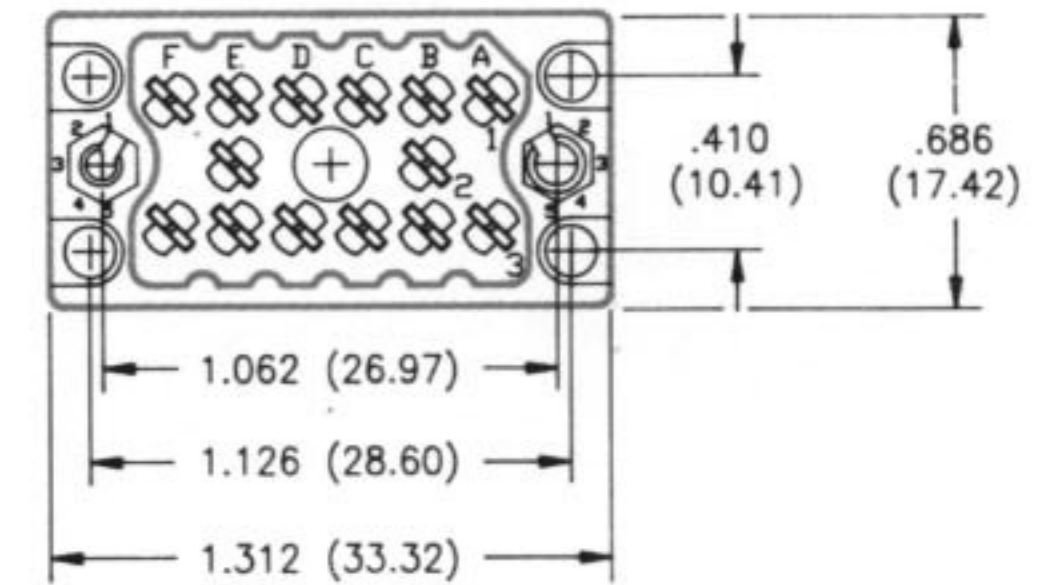
CONNECTOR MATING FACE VIEWS

DIMENSIONS INDICATED FOR EACH SIZE APPLY TO BOTH PLUG AND RECEPTACLE

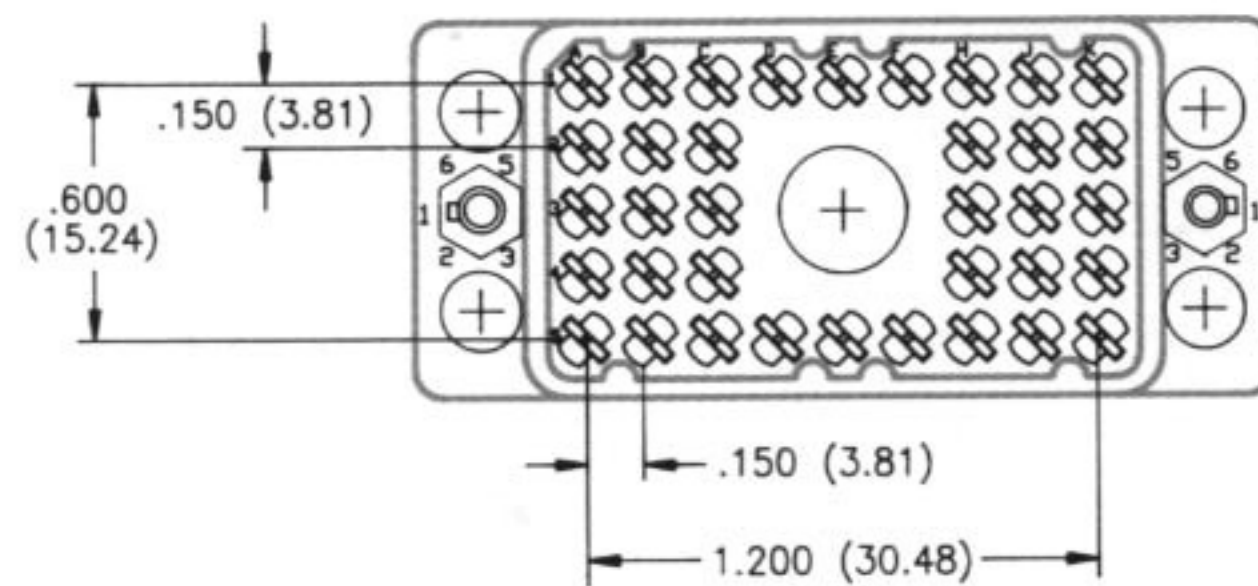
14 PIN PLUG



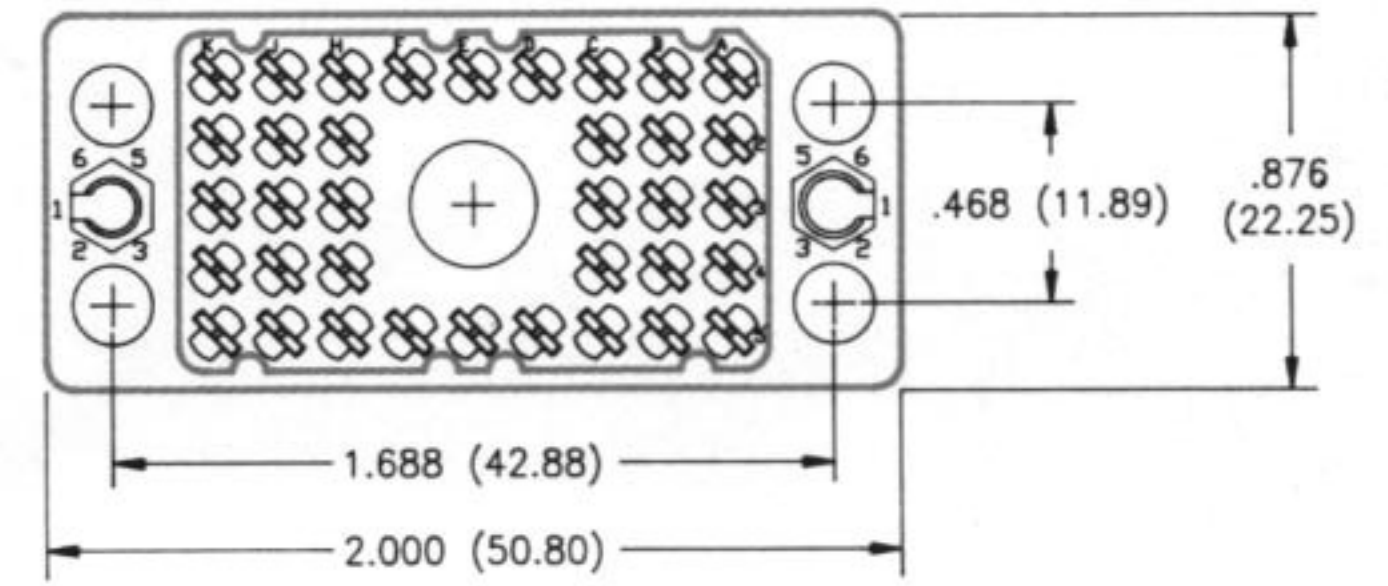
14 PIN RECEPTACLE



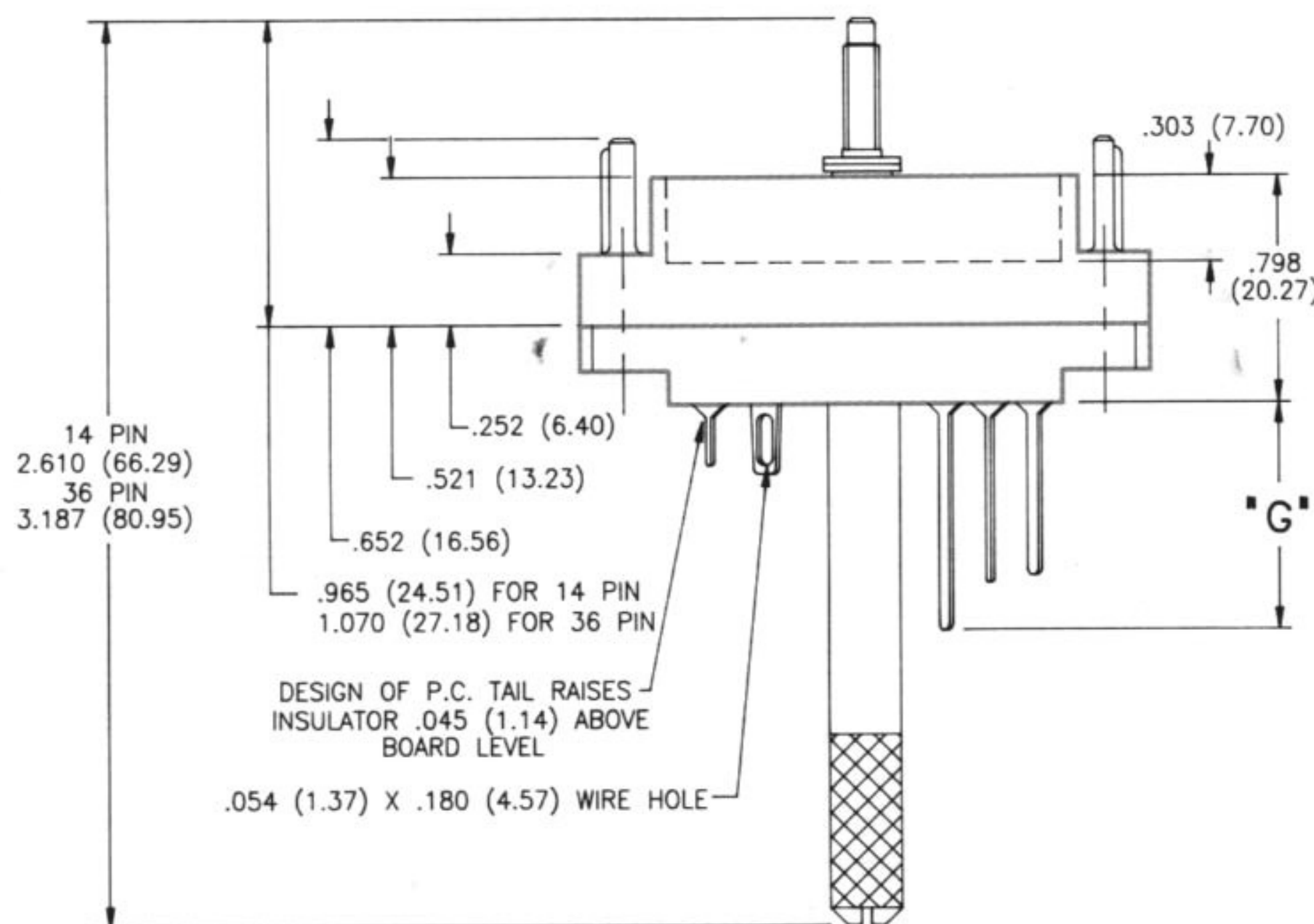
36 PIN PLUG



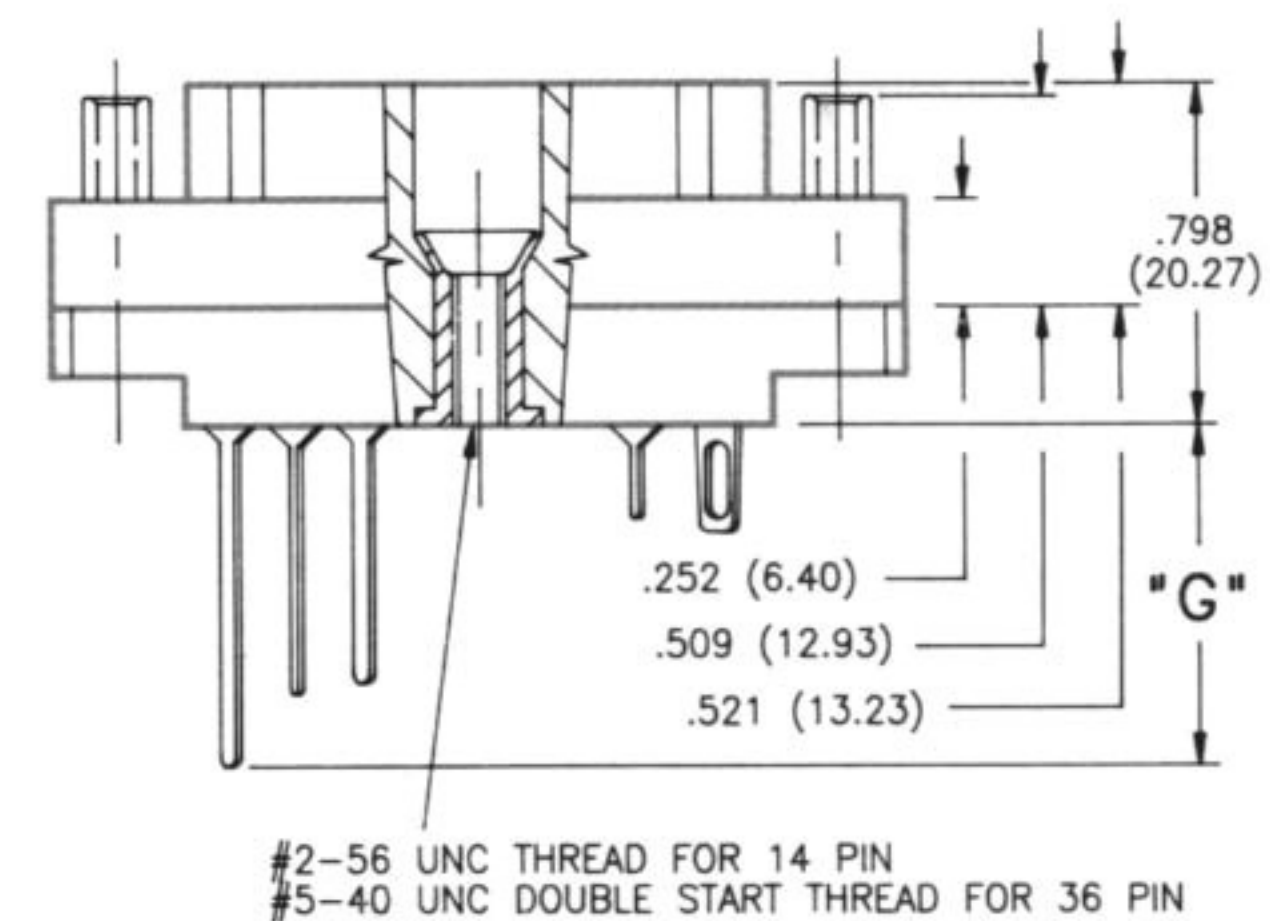
36 PIN RECEPTACLE



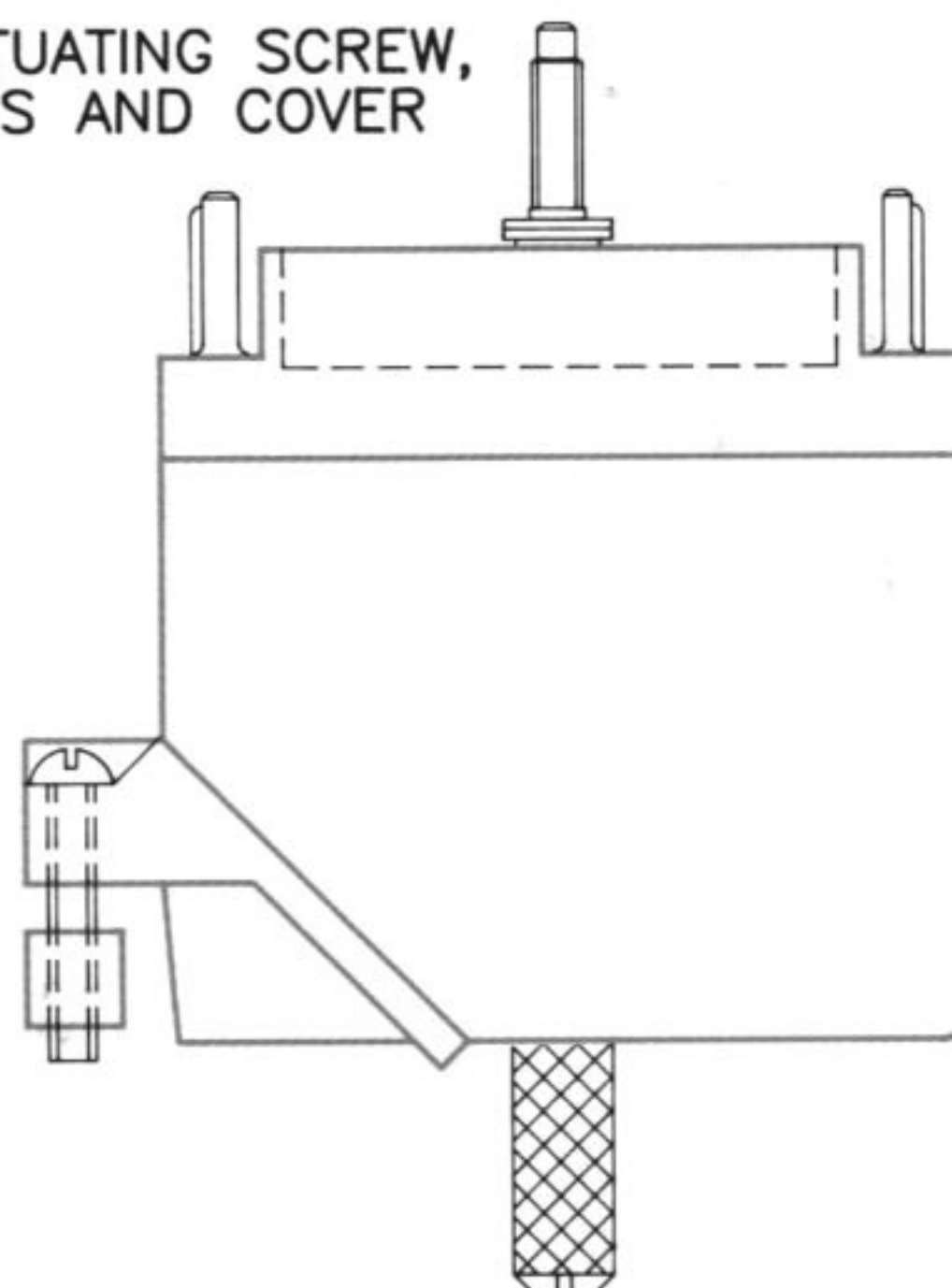
TYPICAL PLUG WITH ACTUATING SCREW AND POLARIZING GUIDE PINS



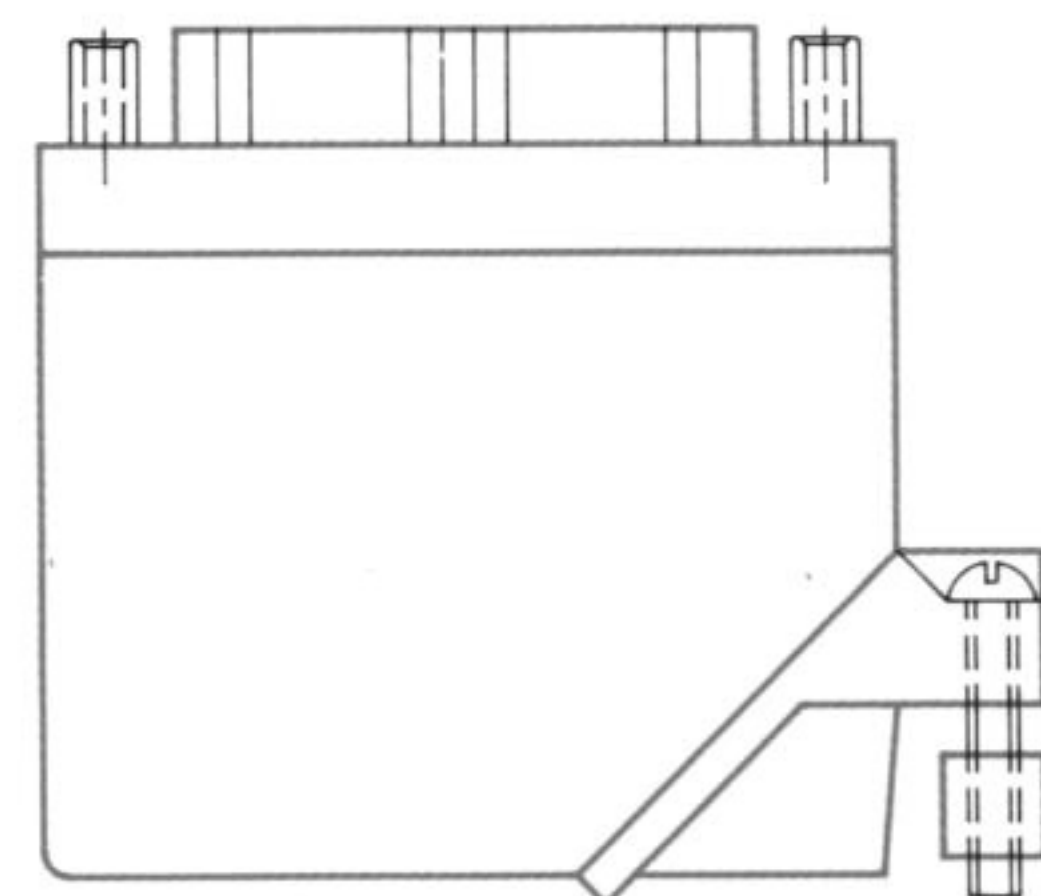
TYPICAL RECEPTACLE WITH LOCKNUT AND POLARIZING SOCKETS



TYPICAL PLUG WITH ACTUATING SCREW, POLARIZING GUIDE PINS AND COVER



TYPICAL RECEPTACLE WITH LOCKNUT, POLARIZING SOCKETS AND COVER



NOTE: PLASTIC POLARIZING GUIDE PINS AND SOCKETS (AVAILABLE SOON) WILL BE COLOUR CODED TO VISUALLY ASSIST CONNECTOR MATING. POLARIZATION CHANGES WILL ALSO BE SIMPLIFIED AS THEY SNAP FIRMLY INTO POSITION AND CAN BE REPLACED USING NEEDLENOSE PLIERS.