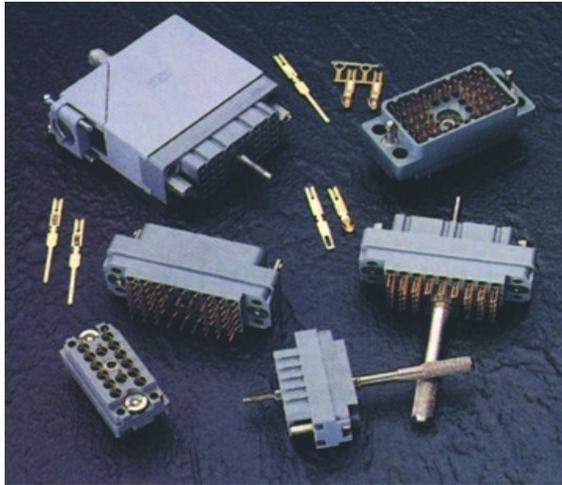




519 SERIES

RACK AND PANEL CONNECTOR (PLUG AND RECEPTACLE)



FEATURES:

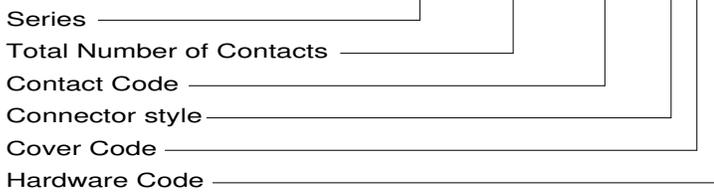
- .150" (3.81mm) Contact Spacing x .130" (3.30mm) or .150" (3.81mm) Row Spacing with staggered Grid
- Plug and Receptacle in 14 or Contact Sizes
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options include Crimp, P.C. Tail, Wire Hole and Wire Wrap
- Mating and Unmating Simplified 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
- RoHS Compliant & UL Recognized

Specifications:

Insulator Material	Polycarbonate UL 94V- 0
Color	Grey
Contact Material	Copper Alloy
Contact Plating	Gold Plating over Nickel over entire contact
Current Rating	8.5 Amperes
Contact Resistance	10 milliohms maximum
Withstanding Voltage	2000 VAC rms at sea level
Insulation Resistance	5000 Megohms minimum
Operating Temp	-40°C to +125°C (Diallyl Phthalate Only)
Operating Temp	-40°C to +105°C
Insertion & Withdrawal Force	2 to 16 Oz (0.56 to 4.45N) per contact position

Example Part Number:

519-036-500-301



Series 519

Total Number of Contacts 014, 036

Cover Code 1, 2, 3, 4	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

Connector Style

Style	Style
1	Plug
2	Receptacle

Contact Code	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 .25 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 (15.70)
542	Wire Wrap .050 x .024 (1.27 x 0.61)	.790 (20.07)

Hardware Code 5	Description
0	No Hardware
1	Actuating Screw & Polarizing Hardware
2	Locknut & Polarizing Hardware
5	Actuating Screw with No Polarizing Hardware
6	Locknut with No Polarizing Hardware

Ordering Code Notes

- 1) The 14 Pin connector cover will not accept the length of wire wrap contacts.
- 2) Plastic covers with large clamps are only available for 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.
- 5) Insulator design prevents improper mating of individual plug and receptacle. Polarizing hardware enables specific plug and receptacle combinations.



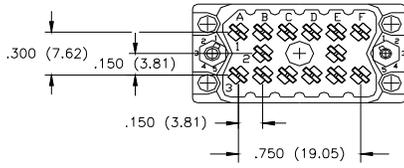
519 SERIES

RACK AND PANEL CONNECTOR (PLUG AND RECEPTACLE)

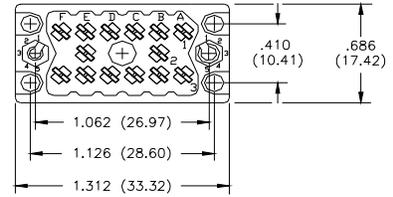
CONNECTOR MATING FACE VIEWS

DIMENSIONS INDICATED FOR EACH SIZE APPLY TO BOTH PLUG AND RECEPTACLE

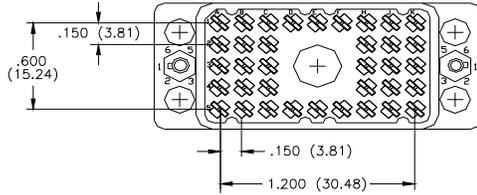
14 PIN PLUG



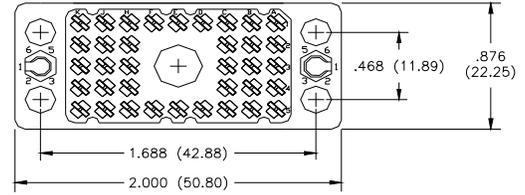
14 PIN RECEPTACLE



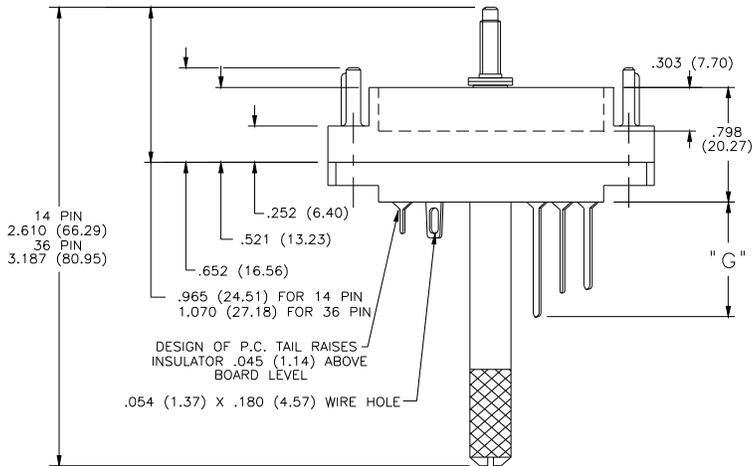
36 PIN PLUG



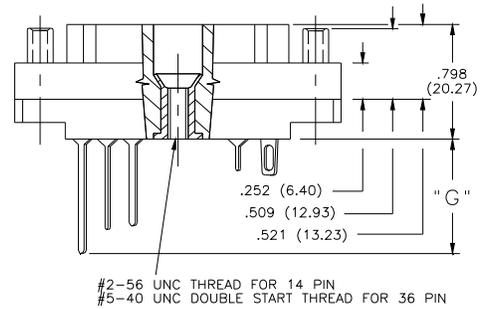
36 PIN RECEPTACLE



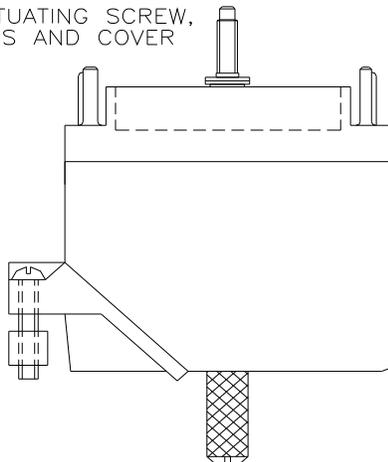
TYPICAL PLUG WITH ACTUATING SCREW AND POLARIZING GUIDE PINS



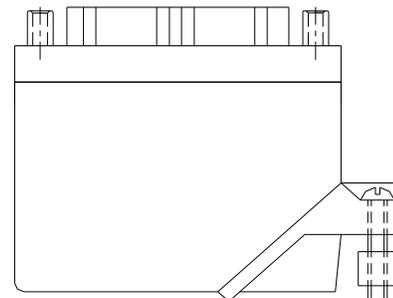
TYPICAL RECEPTACLE WITH LOCKNUT AND POLARIZING SOCKETS



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.