Specifications

"F" Series .075" ℄

Material and Finish

Molded Insulator:	*Glass Filled Polyphenylene Sulfide, Per MIL-DTL-55302.*
Pin Contacts:	*Copper Alloy per MIL-DTL-55302.*
Socket Contacts:	
Contacts:	*Be Cu per MIL-DTL-55302.*
Terminal:	*Copper Alloy per MIL-DTL-55302.*
Contact Finish:	*Gold Plate per MIL-DTL-55302* *Localized finish per MIL-DTL-55302.*
Hardware:	*Stainless Steel per ASTM-A581 or A582. Passivated per SAE-AMS-2700*
Guide Sockets, Polarized	*Be Cu per ASTM-B196 or B197.* *Nickel Plated per MIL-DTL-55302*
Gasket	*Silicone Rubber per Superseded by A-A-59588.*
Tolerance:	*Decimals ±.010, Angles ± 5° unless otherwise specified.*
Connector Marking:	*Marking shall meet the requirements of MIL-STD-1285 and MIL-STD-202 method 215 for permanency. Pin numbers indicating every fourth position are marked on the side of the connector.*

INCON Inc.
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Web Address: www.InconConnector.com

Performance

"F" Series .075" ℄

Wire Size: *#24 AWG Stranded*

Contact Rating: *3 ampere maximum per contact*

Solderability: *Pretinning meets the requirements of MIL-STD-202, Method 208.*

Operating Temp: *-65° to +125°C*
-85° to +257°F

Test	Requirements	Test Method per EIA364
Contact Resistance	*Will not exceed .020 ohms on individual contact pair with average not to exceed .010 ohms*	*EIA364.6*
Dielectric Withstanding	*750 vrms, 60 Hz @ sea level* *250 vrms, 60 Hz @ 70,000 feet* ***250 vrms, 60 Hz @ 100,000 feet***	*EIA364.20*
Insulation Resistance	*5000 megohms minimum @ 500 VDC*	*EIA364.21*
Durability	*500 connector mating cycles*	*MIL-DTL-55302 para. 4.5.9*
Temperature Cycling	*5 (1) hr cycles; -65° to +125°C*	*EIA364.32*
Vibration	*10-2000 Hz, 15G Peak*	*EIA364.28*
Salt Spray	*5% salt spray @ 95°F for 48 hours*	*EIA364.26*
Shock	*100G sawtooth, 6ms*	*EIA364.27*
Humidity	*10 days @ 25° to 65°C, 80-98% RH*	*EIA364.31*
Contact Engagement Low Force	*4 oz. Maximum with a .0255 dia pin per MS3197-22-Y1 (Superseded by SAE-AS31971)*	*EIA364.37 & MIL-DTL-55302*
Contact Separation Low Force	*.5 oz. Minimum with a .0245 dia pin per MS3197-22-X1 (Superseded by SAE-AS31971)*	*EIA364.37 & MIL-DTL-55302*

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.075 SERIES 4 ROW
STRAIGHT RECEPTACLE

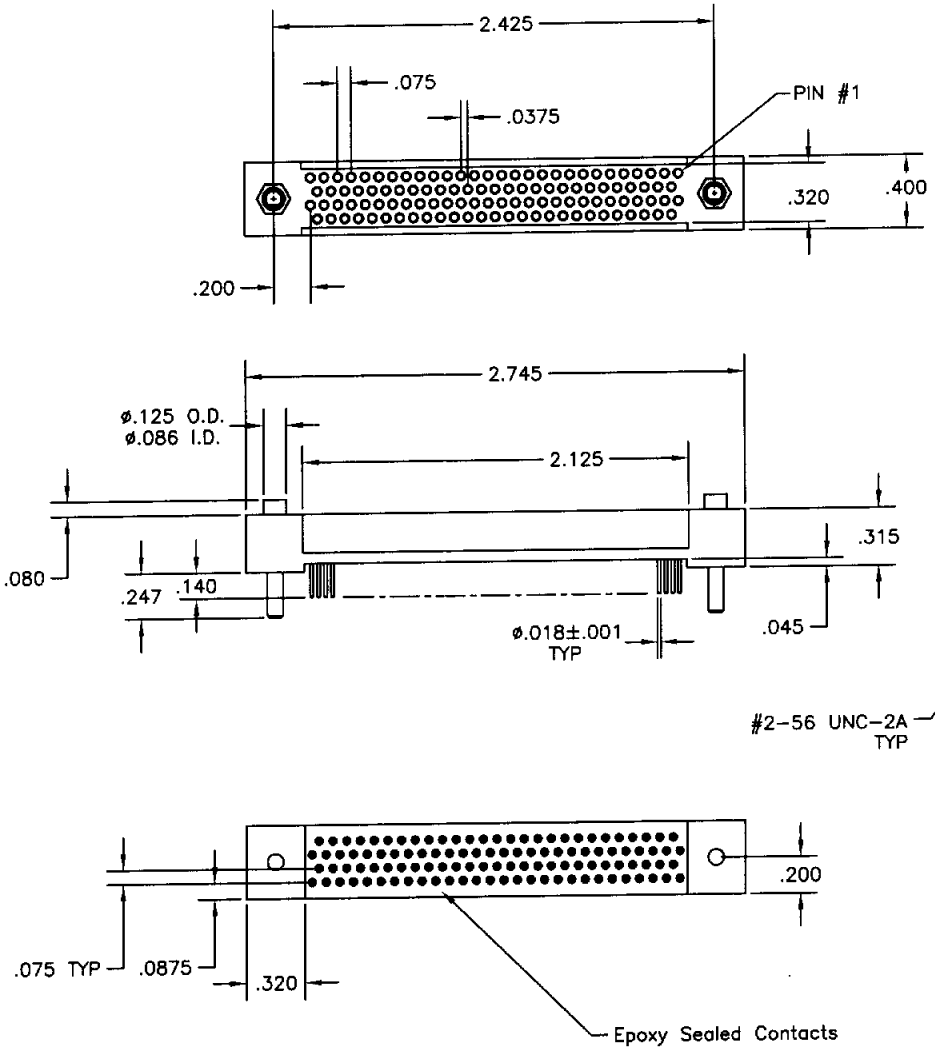
INCON P/N AAL 110 A130 R406 AAA

- Body Style
- Numer of Contact Postions
- Contact Code — Solder Dip Termination
- Hardware Code — Polarized Guide Sockets *
- Special Variation — Solder Dipped Leads

INCON CONTROLLED

JUL

Initials: J. L.



MATING CONNECTORS:

ACW PLUG

*** SUPPLIMENTARY HARDWARE INCLUDED:**
- #2-56 UNC-2B SPANNER NUT (2)
- #2 FLAT WASHER (2)
- #2 LOCK WASHER (2)

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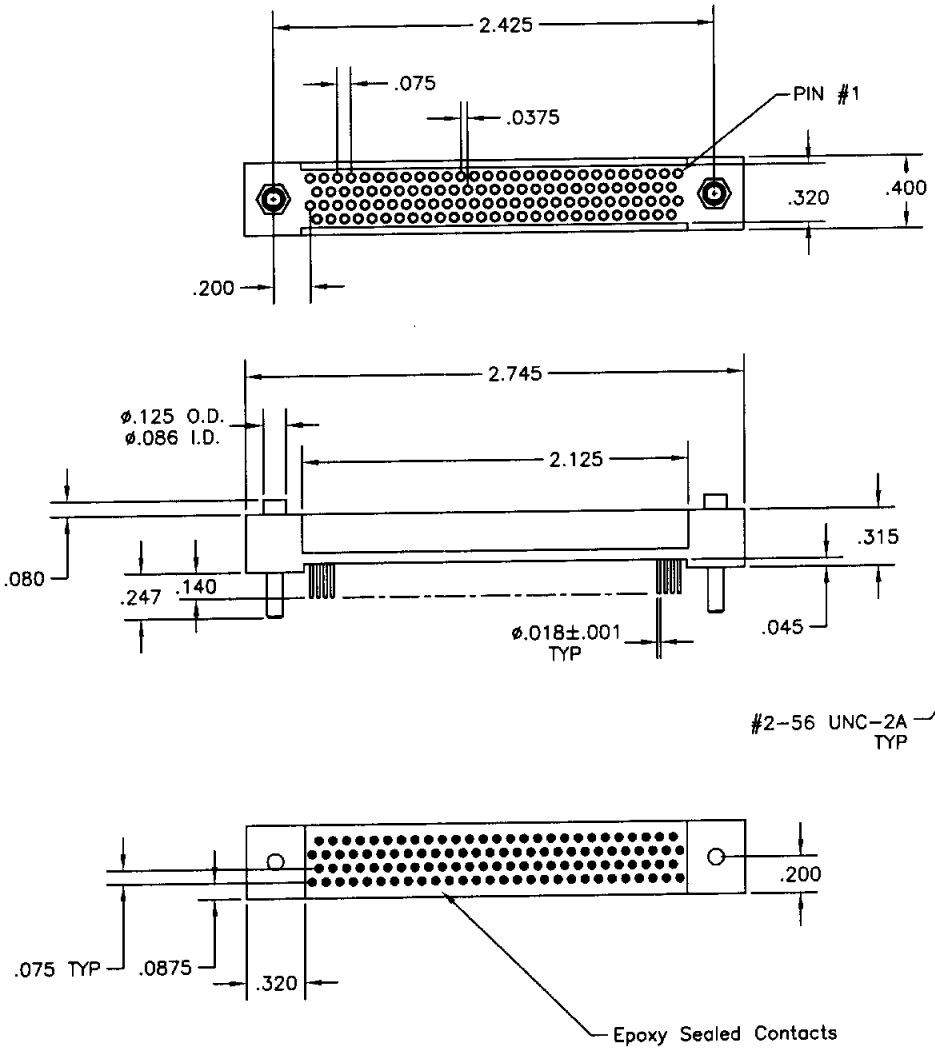
.075 SERIES 4 ROW
STRAIGHT RECEPTACLE

INCON P/N AAL 110 A130 R411 AAA

- Body Style
- Numer of Contact Postions
- Contact Code — Solder Dip Termination
- Hardware Code — Polarized Guide Sockets *
- Special Variation — Solder Dipped Leads



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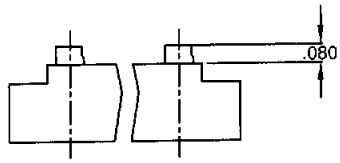
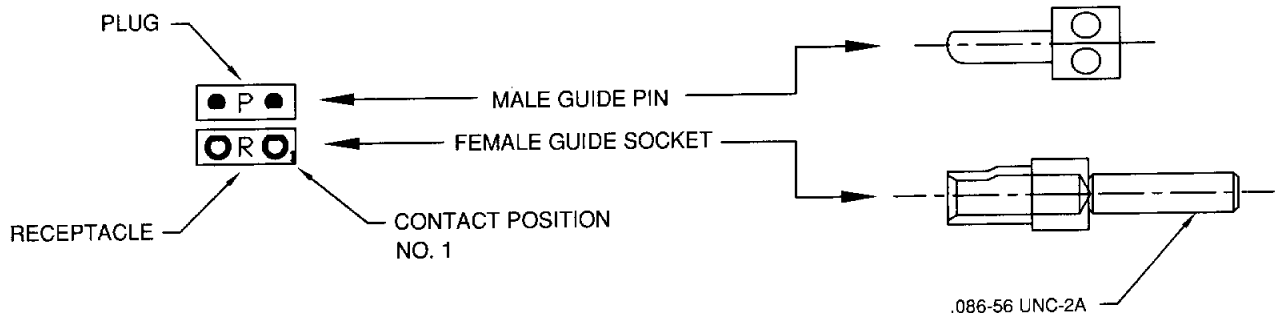
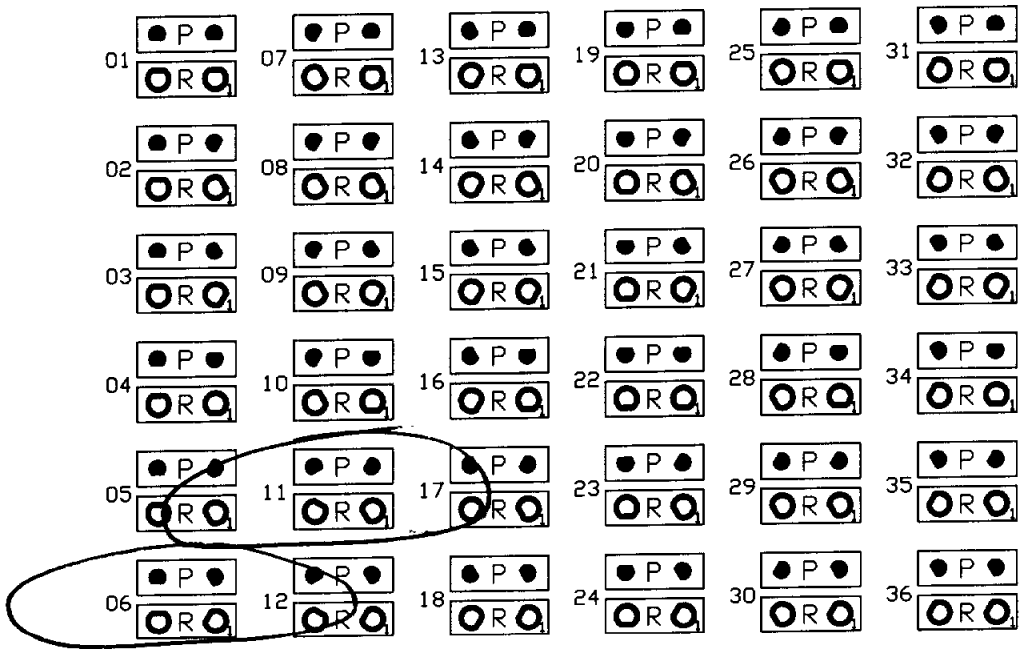
.075 SERIES HARDWARE
4 ROW, 110 POSITION POLARIZATION CODES



R4XX - GUIDE SET POLARIZED FOR RECEPTACLE

SEE POLARIZATION CONFIGURATION CHART BELOW FOR POLARIZATION CODE





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