

REVISIONS			
REV	ECN, ERN NO.	DATE	APPRD.
A	PROPOSAL DRAWING	AUG. 4,2015	L.CHAN

NOTES:

ELECTRICAL:

1. VOLTAGE RATING : 125 VAC.
2. CURRENT RATING : 1.25 AMP.
3. INSULATING RESISTANCE : 500 MEGOHMS MINIMUM.
4. DIELECTRIC STRENGTH : 1000 VAC 60Hz, 1MIN.
5. CATEGORY 6A CHARACTERISTIC:

Frequency Near-End Crosstalk Return Loss Attenuation

Frequency MHz	Near-End Cross talk dB, Min.	Return Loss dB, Min.	Insertion loss dB, Max.
1.0	75.0	30.0	0.10
4.0	75.0	30.0	0.10
8.0	75.0	30.0	0.10
10.0	74.0	30.0	0.10
16.0	69.9	30.0	0.10
20.0	68.0	30.0	0.10
25.0	66.0	30.0	0.10
31.25	64.1	30.0	0.11
62.5	58.1	30.0	0.16
100.0	54.0	28.0	0.20
200.0	48.0	22.0	0.28
250.0	46.0	20.0	0.32
300.0	42.9	18.5	0.35
400.0	37.9	16.0	0.40
500.0	34.0	14.0	0.45

MECHANICAL:

1. SHIELD : STAINLESS STEEL WITH TIN-DIP ON SOLDER TABS.
2. HOUSING : HIGH TEMP THERMOPLASTIC. UL 94V-0.
3. INSERT : HIGH TEMP THERMOPLASTIC UL 94V-0.
4. PCB : FR-4.
5. CONTACT : PHOSPHOR BRONZE.
30u" SELECTIVE GOLD PLATING
FOR MATING SURFACE,
50u" NICKEL UNDERPLATE
100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.

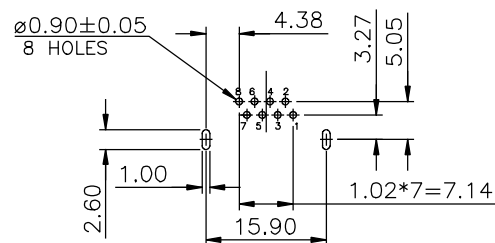
ENVIRONMENTAL:

1. STORAGE : -40° TO +85°.
2. OPERATION : -40° TO +85°.
MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
RECOMMENDED SOLDER PROCESS: WAVE SOLDER, PEAK TEMPERATURE
260° FOR 10 SECOND.

AMPHENOL PART NUMBER: RJE50-188-1X01

GOLD PLATING OPTION

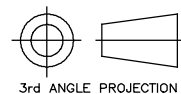
- | | | |
|--------|----------------|--------------|
| 1=6u" | [0.15 MICRONS] | GOLD PLATING |
| 2=15u" | [0.38 MICRONS] | GOLD PLATING |
| 3=30u" | [0.76 MICRONS] | GOLD PLATING |
| 4=50u" | [1.27 MICRONS] | GOLD PLATING |



RECOMMENDED PCB LAYOUT
TOLERANCE: $\pm 0.05\text{mm}$.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm
FRACTIONS DECIMALS ANGLES

.X	±0.50	X*	±3.0*
.XX	±0.30	.X*	±2.0*
.XXX	±0.10	.XX*	±1.0*



DRAWN	JUSTIN.FENG	DATE	AUG4/2011
DESIGNED	JUSTIN.FENG	AUG4/2011	
CHECKED	L.CHAN	AUG4/2011	
I. E. APPRD.			
Q. A. APPRD.			
DWG. APPRD.			
ENG. REL. NO.			
REF.			
DIMENSIONS ARE IN	mm	CODE ID. N.	03554

Amphenol Canada Corp.

TITLE	MODULAR JACK, SINGLE PORTS, 8 POSITIONS, 8 CONTACTS, SHIELDED WITH TOP & SIDE TABS, WITHOUT LED, TAB UP. CAT6A-ROHS COMPLIANT
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DWG C	DRAWING NO. <i>P-RJE50-188-1X01</i>				REV. A
SCALE 4/1	WT. _____	SURF. _____	SHEET 1 OF 1		

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