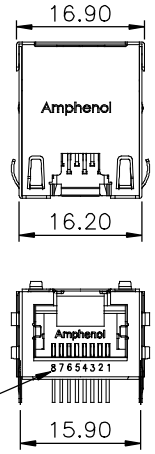
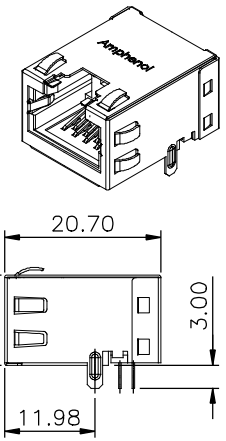
REVISIONS			
REV	ECN, ERN NO.	DATE	APPRD.
A	PROPOSAL DRAWING	AUG. 4,2015	L.CHAN





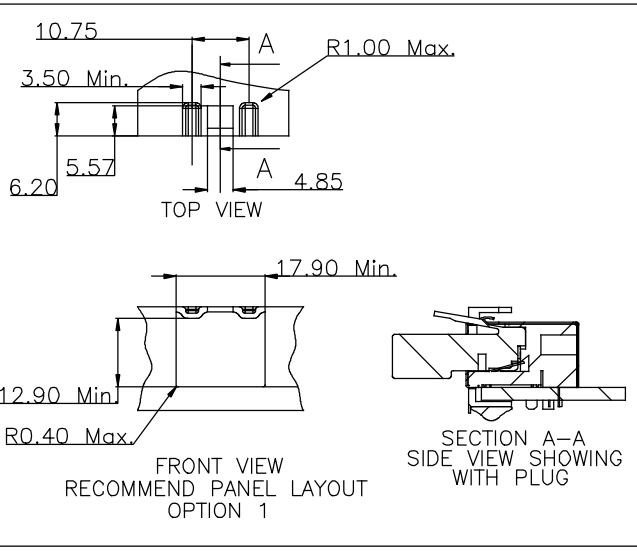
NOTES:

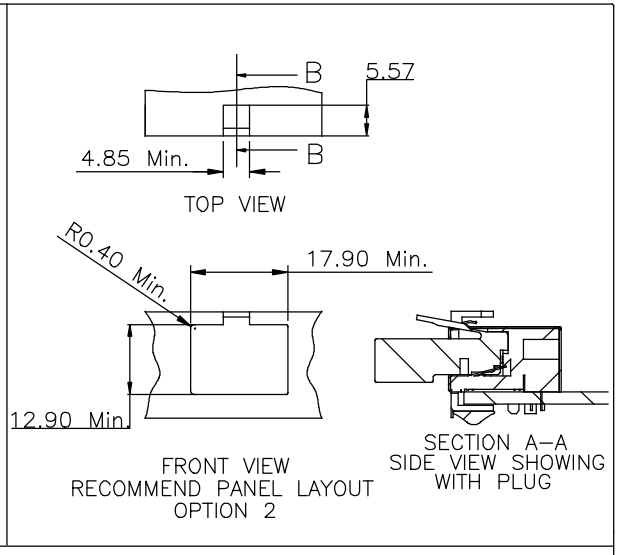
ELECTRICAL:

1. VOLTAGE RATING : 125 VAC.
2. CURRENT RATING : 1.25 AMP.
3. INSULATING RESISTANCE : 500 MEGOHMS MINIMUN.
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°.

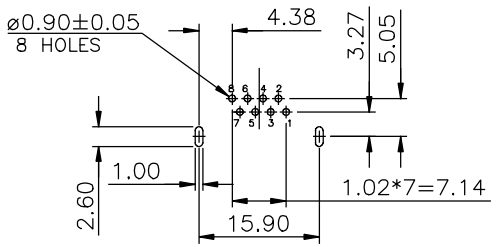
MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

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: ±0.05mm.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWUSE SOECIFIED
DIMENSION ARE IN mm
FRACTION DECIMALs ANGLEs

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

3rd ANGLE PROJECTION

DRAWN	JUSTIN.FENG	DATE AUG4/2015
DESIGNED	JUSTIN.FENG	AUG4/2015
CHECKED	L.CHAN	AUG4/2015
I. E. APPRD.		
Q. A. APPRD.		
DWG. APPRD.		
ENG. REL. NO.		
REF.		
DIMENSIONS ARE IN mm	CODE ID. NO. 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

DWG	DRAWING NO.	REV.
C	P-RJE50-188-1X01	A

SCALE 4/1 WT. ------ SURF. ----- SHEET 1 OF 1