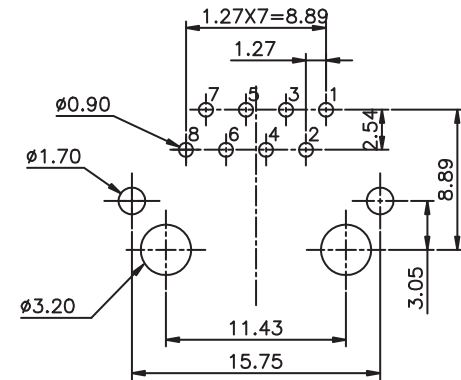
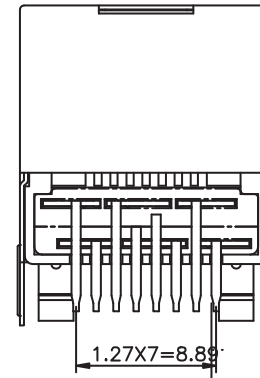
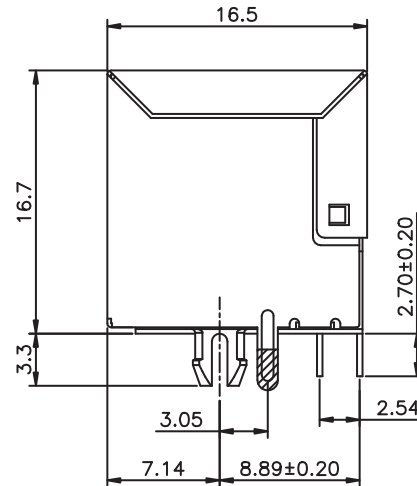
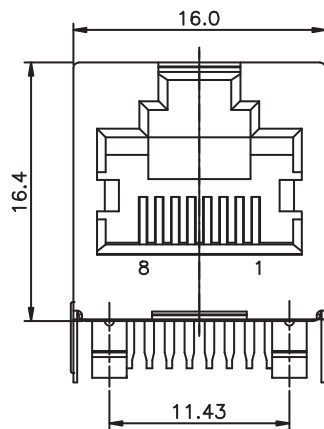




RECOMMENDED PCB LAYOUT

B. CATEGORY 6 CHARACTERISTICS

Frequency	Near-EndCross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0 MHz	75.0	35.5	0.1
4.0 MHz	75.0	35.5	0.1
10.0 MHz	74.0	35.5	0.1
16.0 MHz	69.9	35.5	0.1
25.0 MHz	66.0	35.5	0.1
31.25 MHz	64.1	34.1	0.1
62.50 MHz	58.1	28.1	0.1
100.0 MHz	54.0	24.0	0.2
200.0 MHz	48.0	18.0	0.3
250.0 MHz	46.0	66.0	0.3

ELECTRICAL:

CURRENT RATING: 1.5A

CONTACT RESISTANCE: 35 Milliohms Max.

INSULATION RESISTANCE: 1000 Megaohms Min. @ 500 VDC Min.

VOLTAGE RATING: 125 VAC

DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC for 1 Minute @ 60Hz

OPERATING TEMPERATURE: -40° C to +85° C

MATERIAL:

INSULATOR: Glass Filled Polyester (UL94V-0)

CONTACT: 0.35mm Thick Phosphor Bronze

CONTACT PLATING: Gold Plating on Contact Area

Tin Plating on Solder Area, all over 50u" Nickel

SHIELD: Copper Alloy

MECHANICAL:

DURABILITY: 750 Mating Cycles

HOW TO ORDER:

A	3	0	1	2	-	0	1	6	-	N	0	0	-	X	0	B6	-	Z						
<u>NUMBER OF PORTS</u>					<u>SHIELD:</u>					<u>TABS:</u>					<u>FLANGE:</u>					<u>RoHS COMPLIANT</u>				
01					6 - CAT 6 SHIELDED					NO - NO TABS					0 - NO FLANGE									
<u>SPRING TAB LOCATION:</u>					<u>SELECTIVE PLATING:</u>					<u>PCB GROUND TAB LOCATION:</u>														
0 - NO TAB LOCATION					6 - Au FLASH CONTACT AREA/TIN TAIL 7 - 10u" Au CONTACT AREA/TIN TAIL 8 - 15u" Au CONTACT AREA/TIN TAIL 9 - 30u" Au CONTACT AREA/TIN TAIL A - 50u" Au CONTACT AREA/TIN TAIL					B6 - BACK 3.05 NO REAR TAB														

Rev		Drawn	Checked	Approved	Date		
0	Issued	D.H.	S.M.	S.M.	07/08/04	SMP TECHNOLOGY, INC.	
A	Revised for RoHS Compliance	B.S.	S.M.	S.M.	08/27/08	RJ45, High Speed, Single Port, Side Entry, Category 6, Shielded	
B	Updated Properties and CAT 6 Table	B.S.	S.M.	S.M.	12/01/16		
SCALE: N/A							
TOL. DEC. X +/- 0.20 XX +/- 0.15 XXX +/- 0.10 ANGLE +/- UNIT: mm						Series: A3012-016-N00-X0B6-Z Pg: 1	

SMP TECHNOLOGY, INC.

RJ45, High Speed, Single Port, Side Entry, Category 6, Shielded

Series: A3012-016-N00-X0B6-Z

Pg: 1