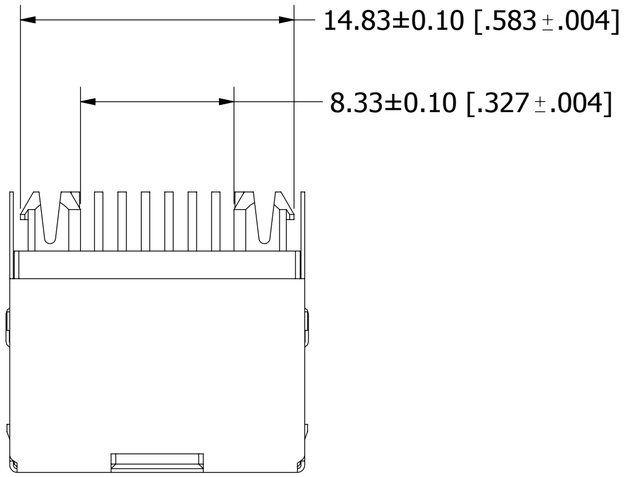
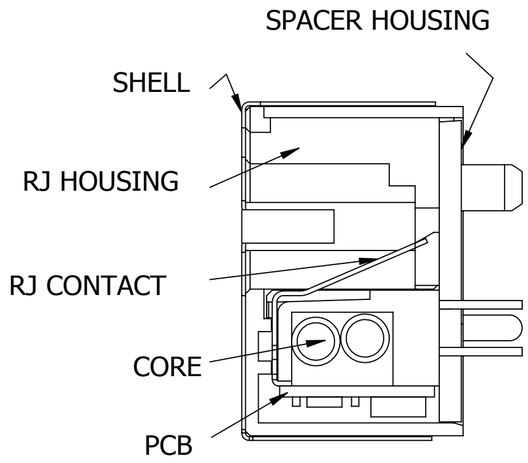
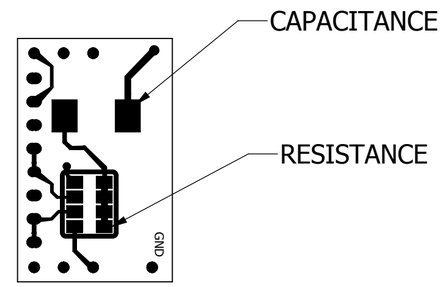
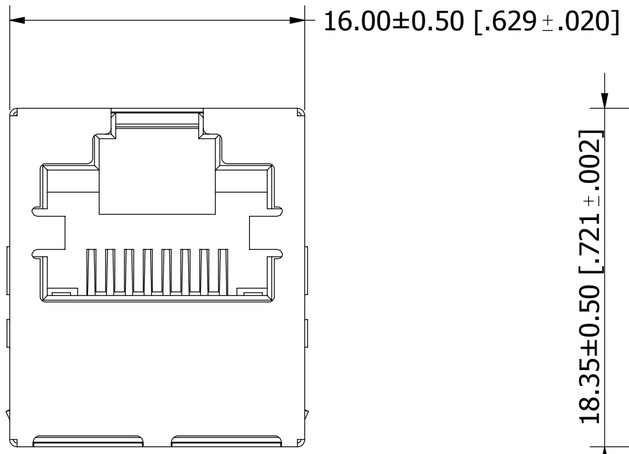
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	2406	INITIAL RELEASE	08/02/2011	LH
B	2604	UPDATE FRONT & RIGHT VIEWS DIM. TOLERANCES AND SCHEMATIC TD- 2 (WAS RD- 2)	05/31/2012	LH

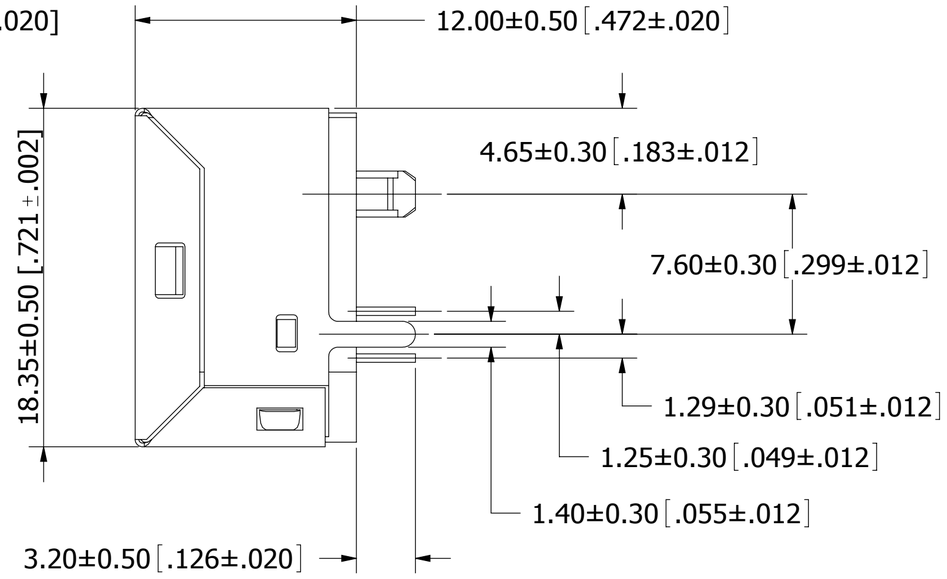


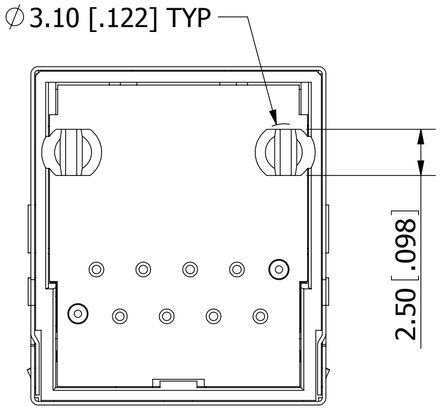




PCB LAYOUT







NOTES:
1. MATERIAL:
   PLASTIC HOUSING:
   RJ HOUSING: PBT, UL 94 V-0, BLACK
   SPACER HOUSING: PA46, UL 94 V-0, BLACK
   TRANSFORMER HOUSING: PHENOLIC, UL 94 V-0, BLACK
   TERMINALS:
   RJ CONTACTS: 0.25mm THICKNESS, PHOSPHOR BRONZE C5191H
   RJ SOLDER PIN: Ø0.46mm, PHOSPHOR BRONZE C5191H
   SHIELDS:
   SHELL: 0.2mm THICKNESS, BRASS C2680H
   PCB: FR-4 TWO LAYER PCB
2. PLATING
   RJ CONTACT: .000050" MIN NICKEL UNDERPLATED,
   .000006" GOLD FLASH ON CONTACT SURFACE,
   .000050" MIN TIN ON TERMINATION.
   RJ SOLDER PIN: .000030" MIN NICKEL UNDERPLATED, .000050" MIN TIN OVERALL
   SHELL: .000030" MIN NICKEL OVERALL, PRE-SOLDERING ON GROUND LEGS
3. RoHS COMPLIANCE PER EU DIRECTIVE 2002/95/EC
4. OPERATING TEMPERATURE RANGE: 0°C TO +70°C

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM[INCHES]

TOLERANCES:

ANGULAR:

DECIMALS:
.X=± .25 [.01]
.XX=± .15 [.006]
.XXX=± .100 [.0040]

DRAWN	DATE	NAME
	08/02/2011	LH

THE INFORMATION HEREIN CONTAINS PROPIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.

SULLINS CONNECTOR SOLUTIONS

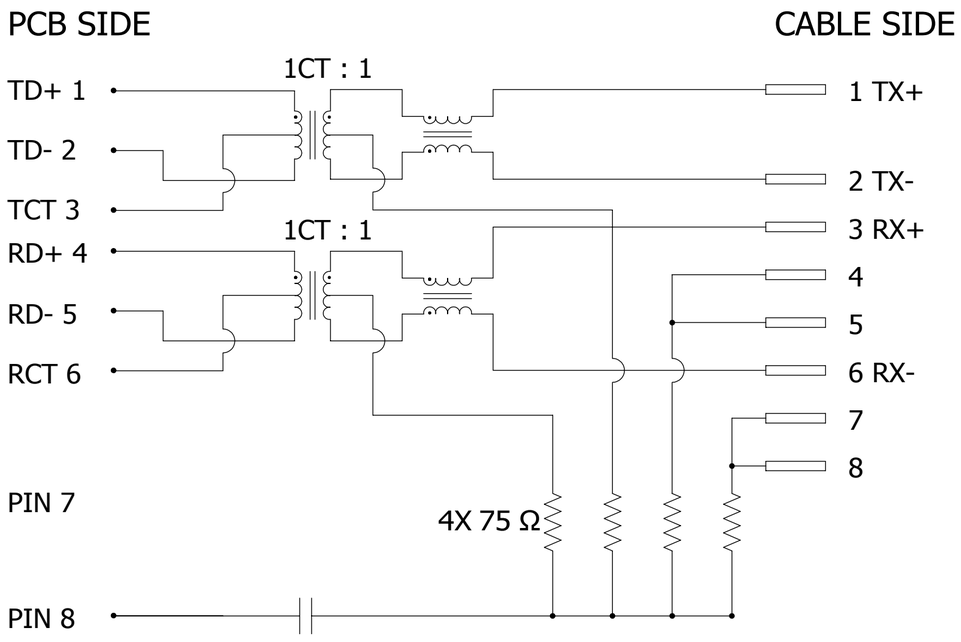
TITLE: LOW PROFILE VERTICAL RJ 45 10/100 BASE-T

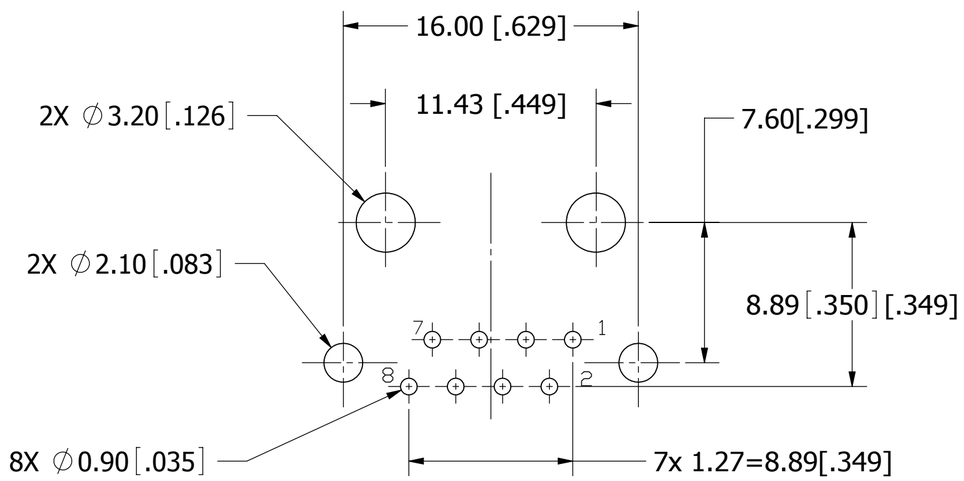
PART NUMBER: SMJ103-T88I-DS-11

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	11824	B

SCALE: 4:1 | SHEET 1 OF 2

SCHEMATIC:





RECOMMENDED P.C.B LAYOUT

TOLERANCE:±0.05[.002]

ELECTRICAL PROPERTIES

1.TRANSMITTER & RECEIVER FILTER:

INSERTION LOSS (dB MAX)	RETURN LOSS AT 100 Ω (dB MAX)		
1~100MHz	1~30MHz	30~60MHz	60~80MHz
-1.0	-18	-16	-12

2.COMMON MODE REJECTION @ 1~100 MHz: -30dB MIN
3.CROSS TALK @ 1~100 MHz: -35dB MIN
4.INDUCTANCE @ 100KHz/ 0.1V, 8mA DC BIAS: 350uH MIN
5.HIPOT TEST: 1500Vrms, 60 SEC

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM[INCHES]

TOLERANCES:

ANGULAR:

DECIMALS:
.X=± .25 [.01]
.XX=± .15 [.006]
.XXX=± .100 [.0040]

DRAWN	DATE	NAME
	08/02/2011	LH

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C	54453	11824	B

SCALE: 4:1 SHEET 2 OF 2