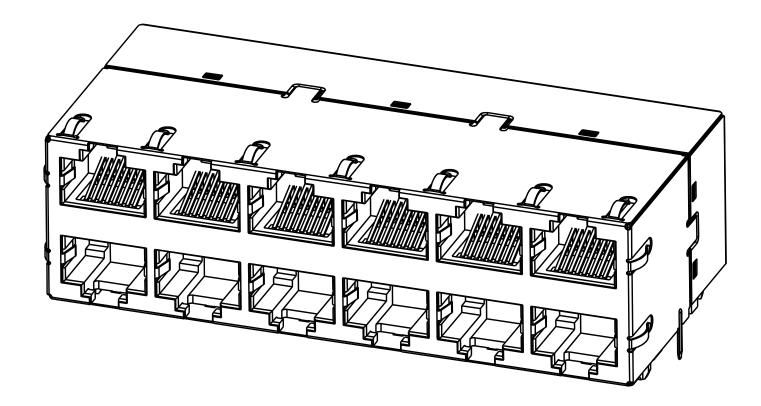
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MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

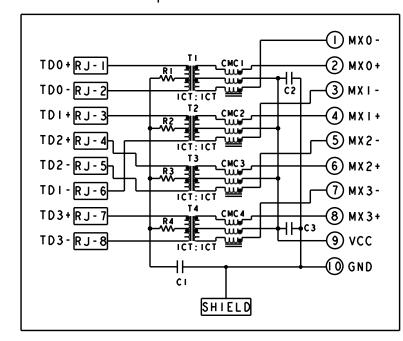
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

1



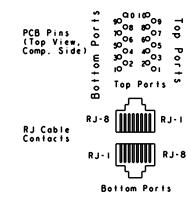
S8G56 GIGABIT CIRCUIT

Top and Bottom Ports



C1 = 1000pF, 2kV Capacitor C2 - C3 = 10nF, 50V Capacitors R1-R4 = 75 Ohms, 1/16 W, Resistors

Pin Designations (Repeat for each vertical pair of ports.)



I. MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE
AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMPERATURE PCB,TG>170°C

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MAGNETICS

APPLICATION: 10/100/1000 BASE-T
IMPEDANCE: 100 OHMS
TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
ALL FOUR PAIRS BI-DIRECTIONAL
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG([/80]dB MIN FROM 40.1MHz TO 100MHz
CROSSTALK ATTENUATION: 35dM MIN FROM 0.5MHz TO 40MHz

CROSSTALK ATTENUATION: 35dB MIN FROM 40.1MHz TO 100MHz

CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz

33-20LOG((7/50)dB MIN FROM 40.1MHz TO 100MHz

COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz

ISOLATION VOLTAGE: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF

500V/SEC AND WITH ALL PORTS CONNECTED.

A PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN APPROXIMATE AREA SHOWN. DATE CODE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=I

TRP LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN APPROXIMATE AREA SHOWN.

5. OPERATING TEMP: FROM 0°C TO +70°C.

3

6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

1 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.

⚠ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

A BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE GREATER THAN 5.08mm.

10. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

1840978-1 PART NUMBER

				NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.		TOMMY REN CHK IIJUN2010 TONY YUAN	trp connector	DONGGUAN
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD IIJUN2010 KEITH ZHU	a bel group	CHINA
	0 PLC ±- 1 PLC ±-	MODEL NAME	2X6 S8G56 GIGABIT W/O L	.ED
	2 PLC ±0,25 3 PLC ±-	MAGJACK		
· ·	4 PLC ±- ANGLES +-	CTACK N. D. F.	SIZE CAGE CODE DRAWING NO	RESTRICTED TO
PRODUCT SPEC	APPLICATION SPEC	STACK Non-PoE	A 1 C-1840978	-
108-104004	1 .	CUSTOMER DRAWING	SCALE NTS SHEET	DF 3 REV D

