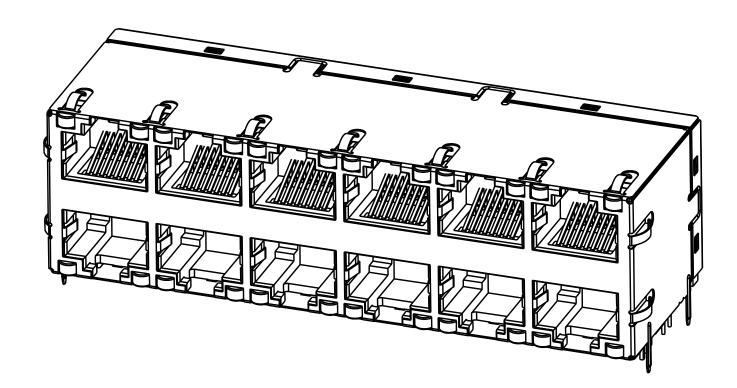
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OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY
MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

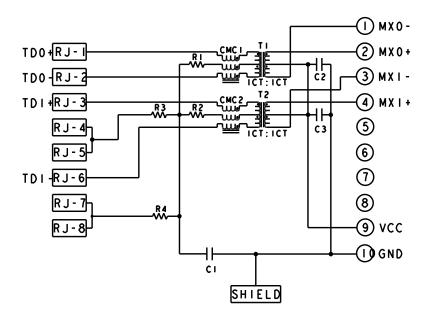
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:

5736910 5939955 6425781 6428361 6554638 6840817 7123117

7429195 7717749 7808751 6217391 6149050 7924130



## TOP AND BOTTOM PORTS



C1: 1000PF, 2KV CAPACITOR C2 - C3 : 10nF, 50V CAPACITOR R1-R4: 75 Ohms, RESISTORS 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 0.05um MIN GOLD OVER 0.76um MIN PALLADIUM-NICKEL AT
MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED
ARE PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE. POST-PLATED WITH
2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

MAGNETICS

10/100 BASE-T

MAGNETICS

-APPLICATION: 10/100 BASE-T

-IMPEDANCE: 100 OHMS

-TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1

-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX

-PERFORMANCE @ 25°C:

INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz

RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz

18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz

12dB MIN FROM 60.1MHz TO 80MHz

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

CROSSIALK ALLENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(1/50)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.
(FOR SINGLE PORT PRODUCT ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC)

A PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN APPROXIMATE AREA SHOWN.DATE CODE: YYWWD WHERE "YY" IS YEAR, "WW" IS 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.

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

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

⚠ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

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

LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA

LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λ D): ORANGE 605 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA

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

	3.04	GREEN	GREEN	GREEN	GREEN	1840897-1
	DIM A	BOTTOM LED 2		TOP LED 2	TOP LED 1	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.    DWN						
DIMENSIONS: mm	TOLERANCES I OTHERWISE SPE	ECIFIED: APVD KEITH ZHU	09MAY2011	a bel grou	lb	CHINA
<b>O</b>	0 PLC ±- 1 PLC ±- 2 PLC ±0.2: 3 PLC ±-	5 MAG	JACK	2X6 S897	10/100 WIT	H LED
PRODUCT SPEC	4 PLC ±- ANGLES APPLICATION SPEC	stack	NON-POE A 1	GE CODE DRAWING NO	840897	RESTRICTED TO
108-104004		CUSTOMER [	RAWING		SCALE 4:   SHEET	I OF 4 REV D

