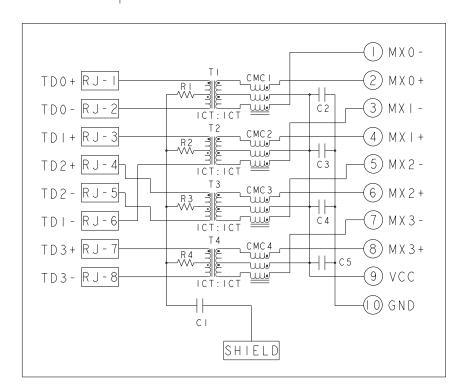
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR. PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 5736910 5939955 6425781 6428361 6554638 6840817 7123117 7429195 7717749 7808751 6217391 6149050 7924130

GROUND PIN M(7 PLC)

1840310-4

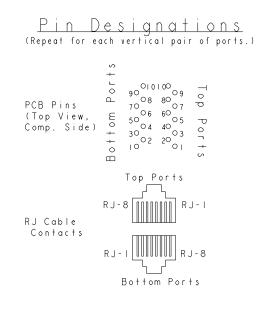
-GROUND PIN N(4 PLC)

S8G31 GIGABIT CIRCUIT AA Top and Bottom Ports



1 - 1840310 - 4

CI = I000pF, 2kVC2-C5 = 470pF, 10%, 50V RI-R4 = 75ohms, 1/16W



DESCRIPTION

29JAN2015 TR TY

G EC-1411035 COMPANY LOGO CHANGE

- HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-O. SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
- POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS.
- CONTACTS: PHOSPHOR BRONZE, PLATED WITH 1.27um MIN OVERALL NICKEL UNDERPLATE, SELECTIVE 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS
- LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME LEADS, PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL OVER
- 1.02um MIN COPPER UNDERPLATE, POST PLATED WITH 2.54um MIN MATTE TIN AND/OR 2.54um MIN SAC SOLDER DIP OR PURE TIN SOLDER DIP.

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(f/80)dB MIN FROM 40.1MHz TO 100MHz CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz COMMON MODE REJECTION RATIO (CMRR):
 - 30dB MIN FROM 0.5MHz TO 100MHz
- -ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA, 40.6.1.1 ITEM b.
- PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN THE APPROXIMATE AREA SHOWN. DATE CODE YYWWD WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK WITH SUNDAY=1
- TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN THE APPROXIMATE AREA SHOWN.
- 🖒 RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68 SUBPART F.
- 6 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX. 20mA LED COLOR: DOMINANT WAVELENGTH (λ D) GREEN 568nm TYP AT IF=20mA YELLOW 588nm TYP AT IF=20mA FORWARD VOLTAGE(VF) GREEN, 2.2V TYP AT IF=20mA YELLOW, 2.1V TYP AT IF=20mA
- ⚠ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- 8. OPERATING TEMPERATURE: FROM 0 °C TO 70 °C

PRODUCT SPEC

9. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 265 °C MAX. 10 SECONDS MAX. IT IS RECOMMENDED THAT THE CONNECTOR SHIELD AND BODY BE MASKED TO PROTECT IT FROM DIRECT EXPOSURE TO THE SOLDER WAVE TO AVOID DAMAGE TO THE CONNECTOR AND LEDS.

HTIW		YELLOW/GREEN		YELLOW/GREEN		YELLOW/GREEN		YELLOW/GREEN		1-1840310-4		
WITHOUT		YELLOW/GREEN		YELLOW/GREEN		YELLOW/GREEN		YELLOW/GREEN		1840310-4		
GROUND PINS M&N		TOP LEFT	T LED	TOP RIGI	HT LED	BOTTOM L	EFT LED	вотто	M RIGHT	LED	PART	NO.
THIS DRAWING IS A CONTROLLED DOCUMENT.						30JUL2008 N 30JUL2008 HU	Á	% t	rD	INECTO	DON:	GGUAN
	DIMENSIONS: mm			TOLERANCES UNLESS OTHERWISE SPECIFIED:		30JUL2008			a bel group		CHINA	
	•) -	0 PLC 1 PLC 2 PLC 3 PLC	±- ±- ±0.25 ±-	MA	GJACK		\$8G31	GIGABIT	OFFSE	T W/ LE	. D

STACK NON-PoE C-1840310 108-104004 CUSTOMER DRAWING

