Excellent Integrated System Limited

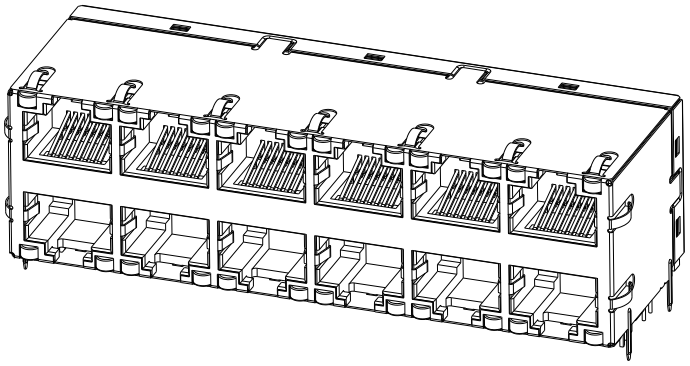
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Bel Fuse Inc.
1840326-1

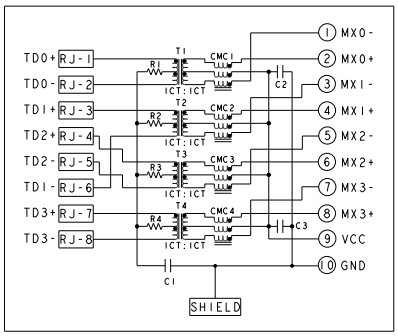
For any questions, you can email us directly:
sales@integrated-circuit.com

REVISIONS					
#	LTR	DESCRIPTION	DATE	DWN	APVD
	N	EC-1411035 COMPANY LOGO CHANGE	28DEC2014	GZ	TY



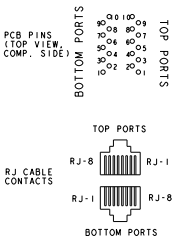
S8G56 GIGABIT CIRCUIT ⚠4 ⚠7

TOP AND BOTTOM PORTS



C1 = 1000pF, 2kV CAPACITOR
C2 - C3 = 10nF, 50V CAPACITORS
R1 - R4 = 75 Ohms, 1/16W, RESISTORS

PIN DESIGNATIONS
(REPEAT FOR EACH VERTICAL PAIR OF PORTS.)



1. 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
ALL PC BOARDS: HIGH TEMPERATURE PCB,TG>170°C

⚠2 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: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.

⚠3 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=1.

⚠4 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.

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

⚠8 DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

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

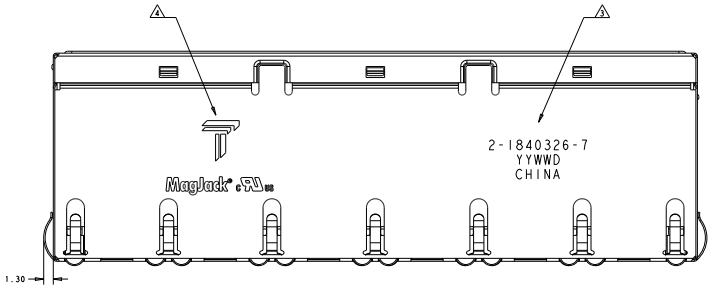
⚠10 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA

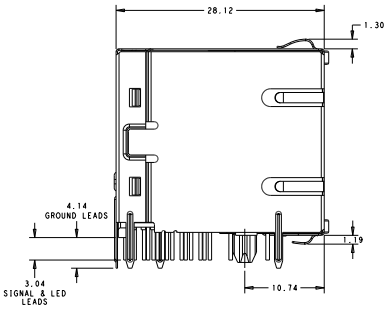
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

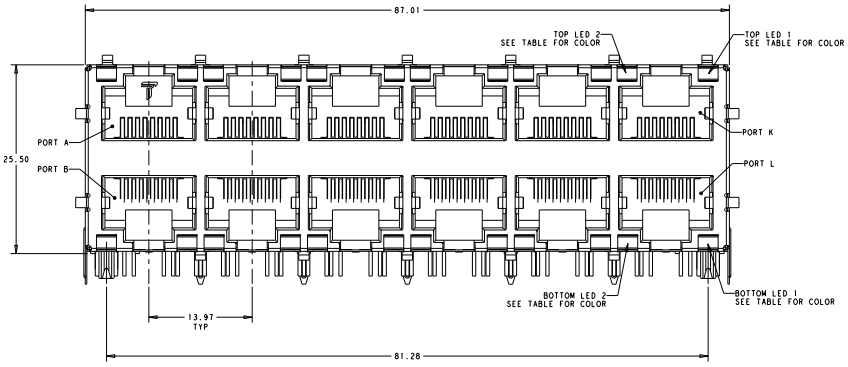
OUTLINE DIMENSION	DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER
SEE SHEET 3	2.40	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	3-1840326-4
SEE SHEET 3	2.40	GREEN	GREEN	GREEN	GREEN	3-1840326-1
SEE SHEET 3	3.04	GRN/YEL	GREEN	GRN/YEL	GREEN	1840326-5
SEE SHEET 3	3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840326-4
SEE SHEET 2	3.04	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	2-1840326-7
SEE SHEET 3	3.56	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	1-1840326-7
SEE SHEET 3	3.56	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1-1840326-4
SEE SHEET 3	3.04	GREEN	GREEN	GREEN	GREEN	1840326-1

THIS DRAWING IS A CONTROLLED DOCUMENT.
DRN TOMMY REN 30JAN2018
CHK TONY YUAN 30JAN2018
APVD KEITH ZHU 30JAN2018
MODEL NAME: MAGJACK STACK Non-PoE
DONGGUAN CHINA
TITLE: 2X6 S8G56 GIGABIT W/ LED
SIZE A1 | CAGE CODE | DRAWING NO 1840326 | RESTRICTED TO -
PRODUCT SPEC 108-104004
APPLICATION SPEC -
CUSTOMER DRAWING
SCALE NTS | SHEET 1 OF 5 | REV N

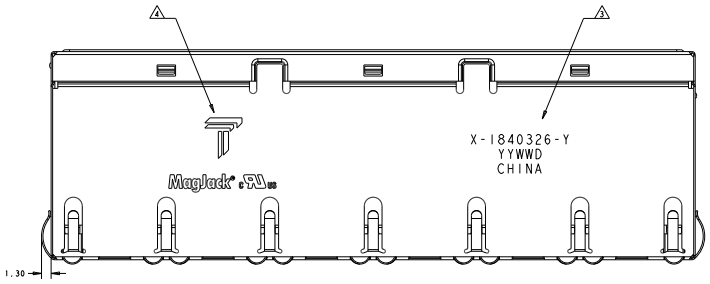
THIS SHEET FOR 2-1840326-7 ONLY

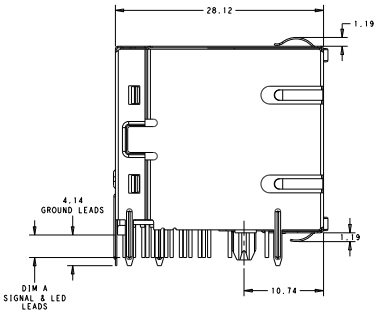


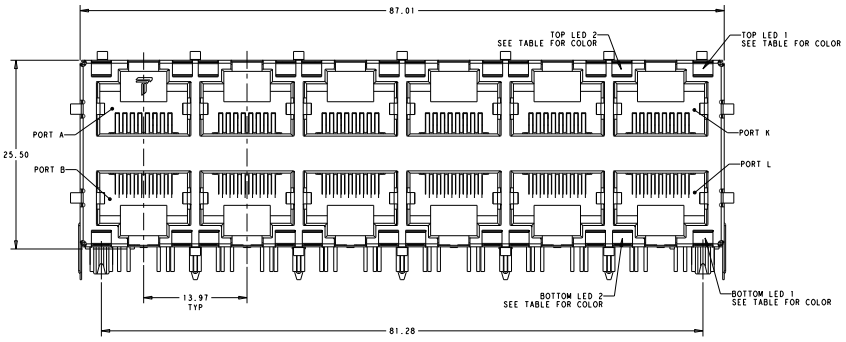




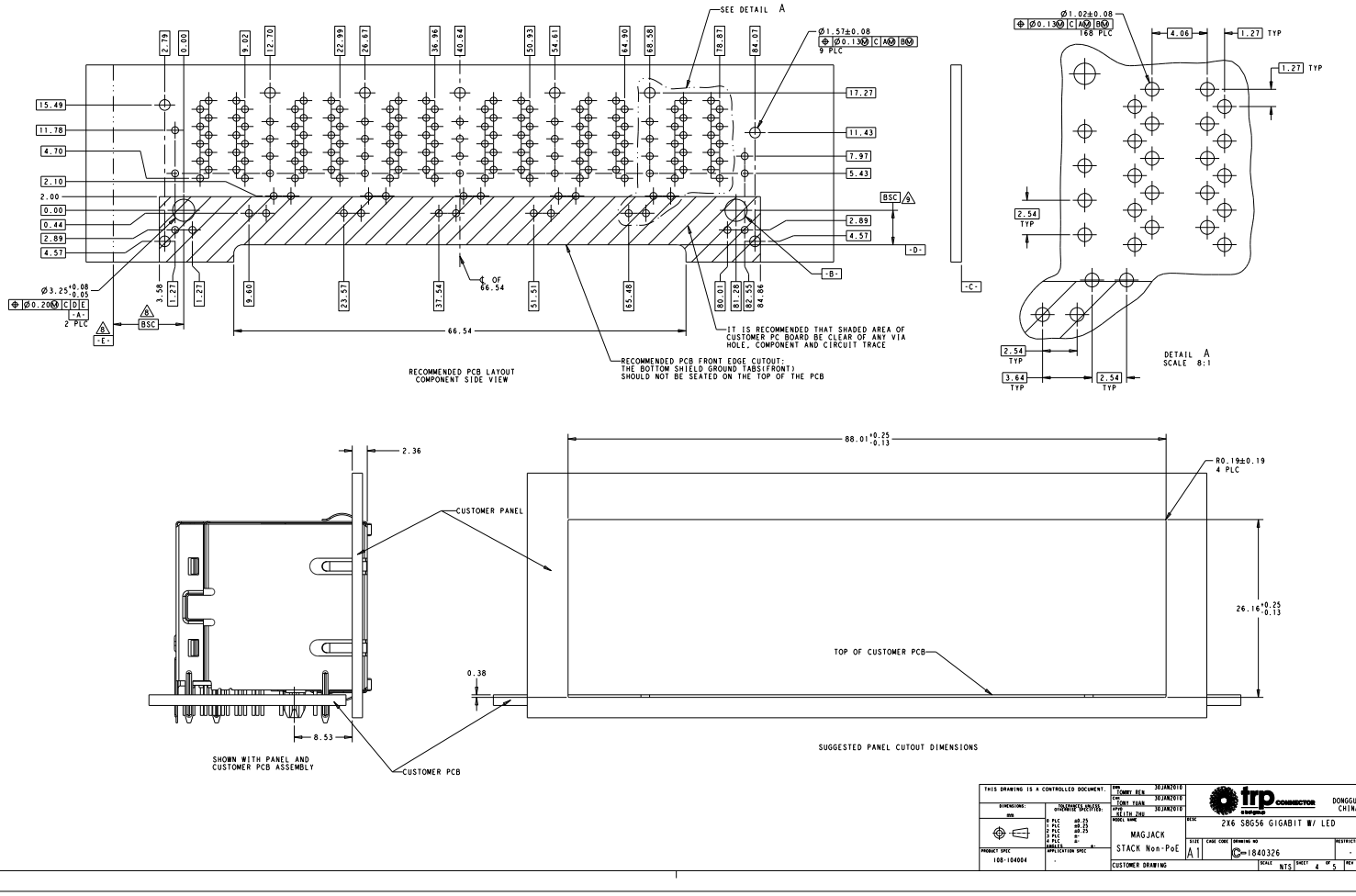
THIS DRAWING IS A CONTROLLED DOCUMENT.	DRN TONNY REN 30JAN2018	trp CONNECTOR	DONGGUAN CHINA
DIMENSIONS: MM	CHK TONY YUAN 30JAN2018		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLC ±0.25, 3 PLC ±0.25, 4 PLC ±0.25, X PLC ±-, ANGLES ±-	APP KEITH ZHU 30JAN2018		
PRODUCT SPEC 108-104004	APPLICATION SPEC -	MODEL NAME MAGJACK STACK Non-PoE	REV 2X6 SBG56 GIGABIT W/ LED
CUSTOMER DRAWING		SIZE A1	CAGE CODE DRAWING NO 1840326
		SCALE NTS	SHEET 2 OF 5
		RESTRICTED TO -	REV N



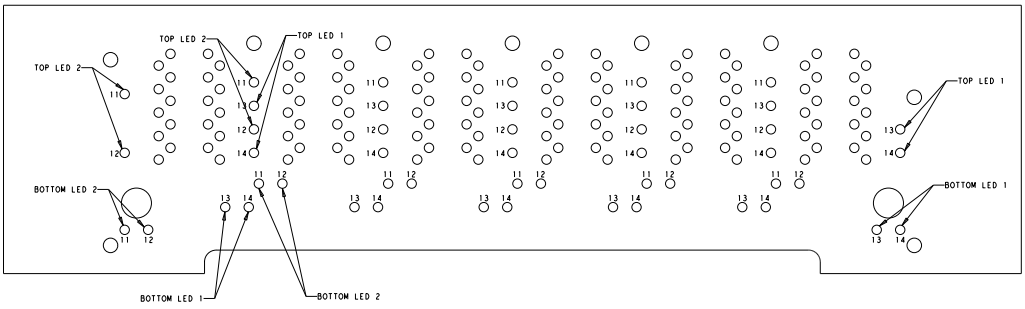




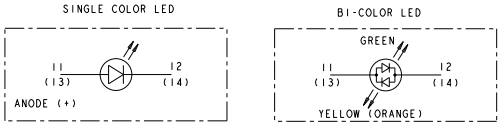
THIS DRAWING IS A CONTROLLED DOCUMENT.	DRN TONNY REN 30JAN2018	trp CONNECTOR ENGAGE	DONGGUAN CHINA
DIMENSIONS: MM	CHK TONY YUAN 30JAN2018		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25, 1 PLC ±0.25, 2 PLC ±0.25, 3 PLC ±0°, ANGLES ±0°	APP KEITH ZHU 30JAN2018		
PRODUCT SPEC 108-104004	APPLICATION SPEC -	MODEL NAME MAGJACK STACK Non-PoE	DESC 2X6 SBG56 GIGABIT W/ LED
CUSTOMER DRAWING		SIZE A1	CAGE CODE DRAWING NO 1840326
		SCALE NTS	SHEET 3 OF 5
		RESTRICTED TO -	REV N



THIS DRAWING IS A CONTROLLED DOCUMENT.	DRN TONNY REN 30JAN2018	trp CONNECTOR dongguan	DONGGUAN CHINA
DIMENSIONS: MM	CHK TONY YUAN 30JAN2018		2X6 SBG56 GIGABIT W/ LED
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25, 1 PLC ±0.25, 2 PLC ±0.25, 3 PLC ±0°, ANGLES ±1°	APP KEITH ZHU 30JAN2018	MODEL NAME MAGJACK STACK Non-PoE	SIZE A1 CAGE CODE DRAWING NO 1840326 RESTRICTED TO -
PRODUCT SPEC 108-104004	APPLICATION SPEC -	CUSTOMER DRAWING	SCALE NTS SHEET 4 OF 5 REV N



LED HOLE DESIGNATIONS
VIEWED FROM COMPONENT SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.	DRN TOMMY REN 30JAN2010	trp CONNECTOR ENGAGE	DONGGUAN CHINA
DIMENSIONS: MM	CHK TONY YUAN 30JAN2010		
TOLERANCES UNLESS OTHERWISE SPECIFIED:	APP KEITH ZHU 30JAN2010		
1 PLC ±0.25	MODEL NAME		
2 PLC ±0.25	MAGJACK		
3 PLC ±0.25	STACK Non-PoE		
ANGLES ±1°			
PRODUCT SPEC 108-104004	APPLICATION SPEC -		
CUSTOMER DRAWING		SIZE A1	CAGE CODE DRAWING NO 1840326
		SCALE NTS	SHEET 5 OF 5
			REVISION N