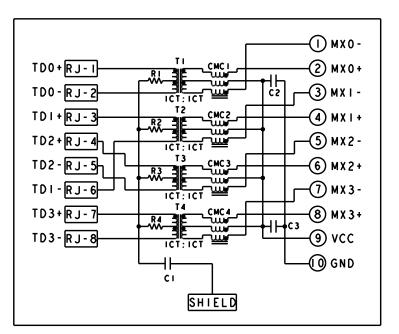


S8G56G GIGABIT CIRCUITAA TOP AND BOTTOM PORTS



CI = 1000pF, 2kV CAPACITOR C2 - C3 = 10nF, 50V CAPACITORS RI-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 OR PURE TIN ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD OR 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 I. MATERIALS:

⚠ MAGNETICS APPLICATION: 10/100/1000 BASE-T ALL FOUR PAIRS BI-DIRECTIONAL
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): I.IdB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
I2-20LOG([780]dB MIN FROM 40.1MHz TO 100MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG([750]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

APPROXIMATE AREA SHOWN.DATE CODE: "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1

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.

⚠ 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): YELLOW 588 nm TYP. @ IF=20mA FORWARD VOLTAGE (VF): YELLOW 2.IV TYP. @ IF=20mA

DOMINANT WAVELENGTH (\lambda D): ORANGE 605 nm TYP. @ IF=20mA

FORWARD VOLTAGE (VF): ORANGE 2.IV TYP. Ø IF=20mA

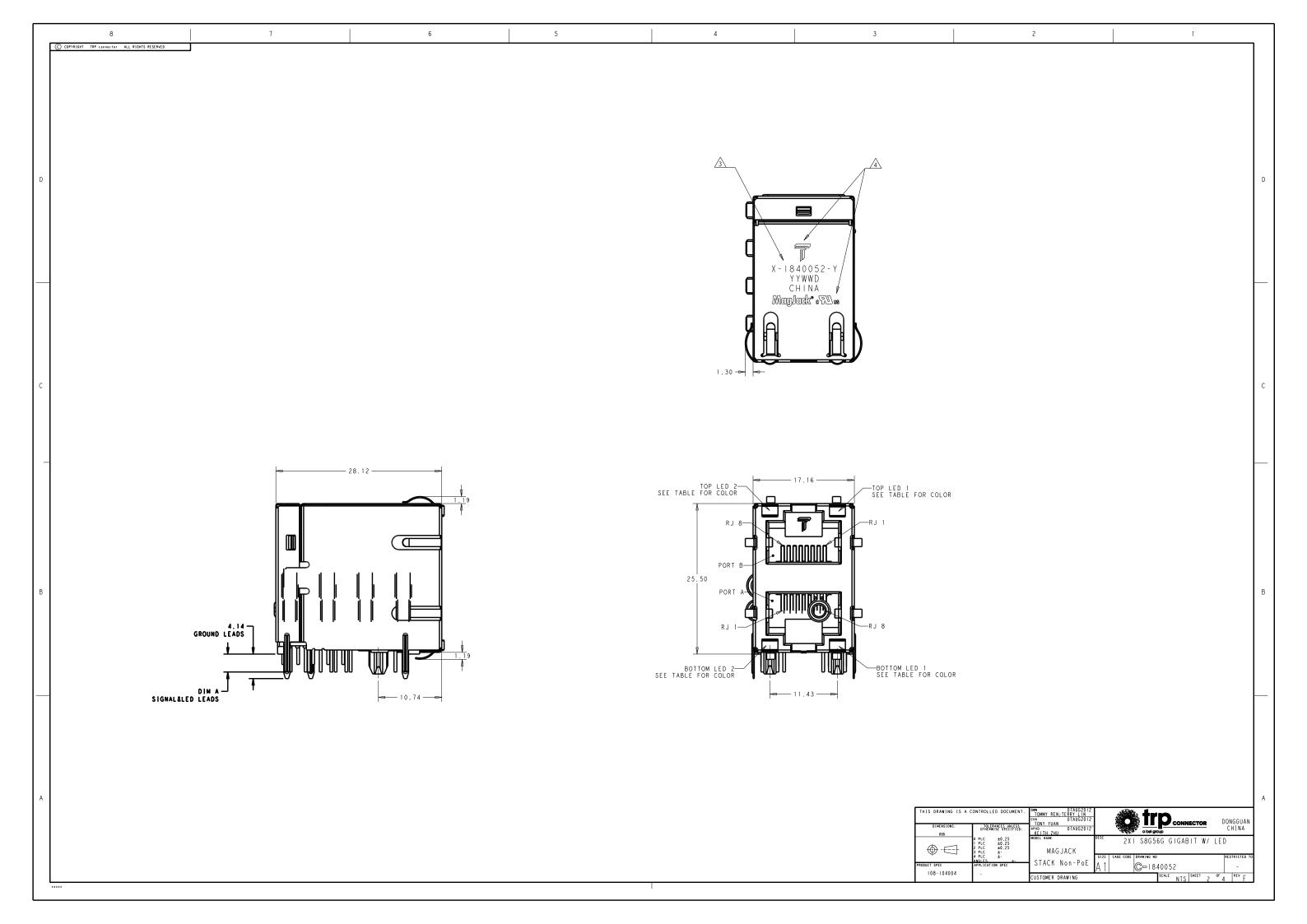
DOMINANT WAVELENGTH (\lambda D): ULTRA LOW WAVELENGTH GREEN (ULWG) 525 nm TYP. Ø IF=20mA

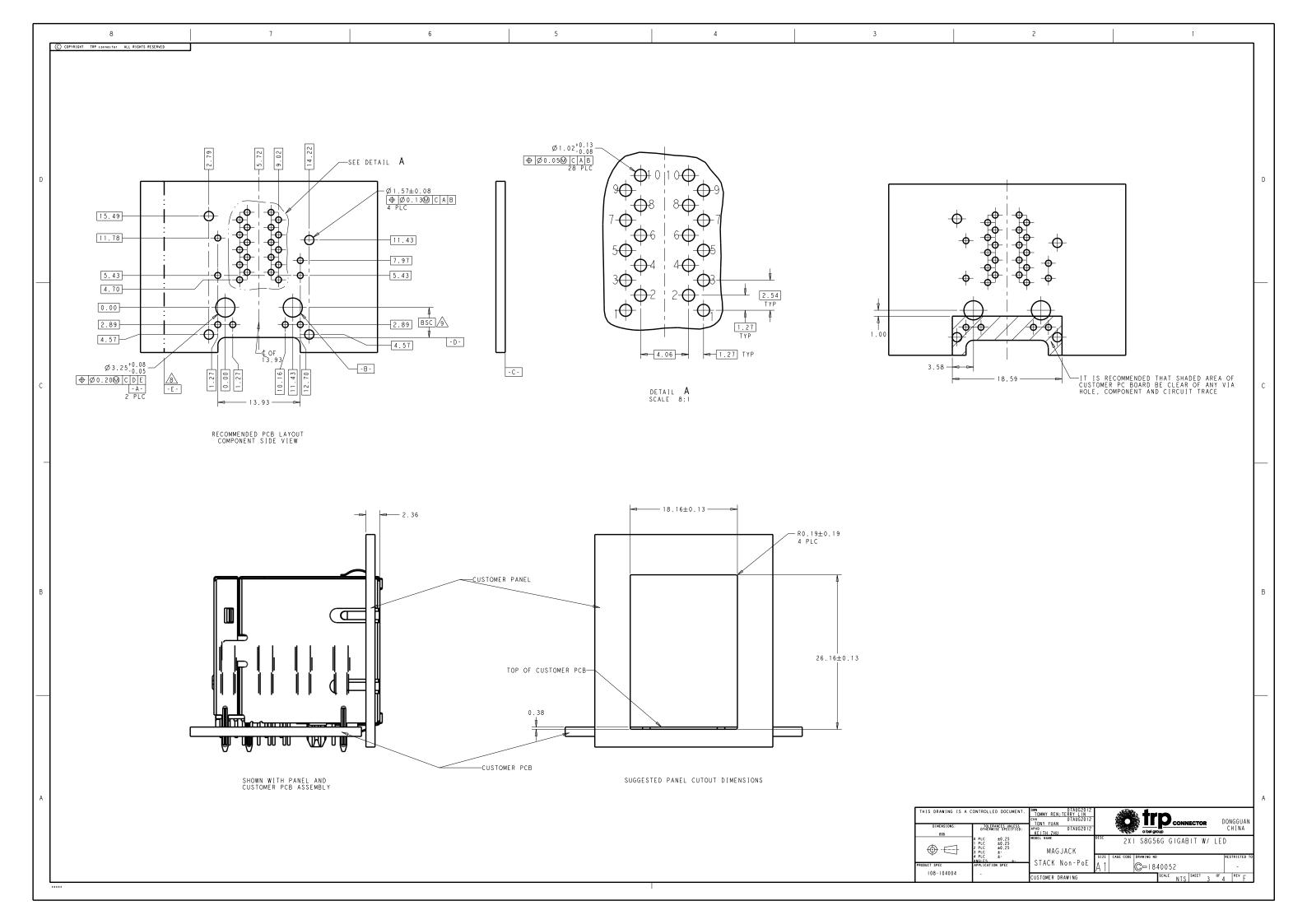
FORWARD VOLTAGE (VF): ULTRA LOW WAVELENGTH GREEN (ULWG) 2.8V TYP. Ø IF=20mA

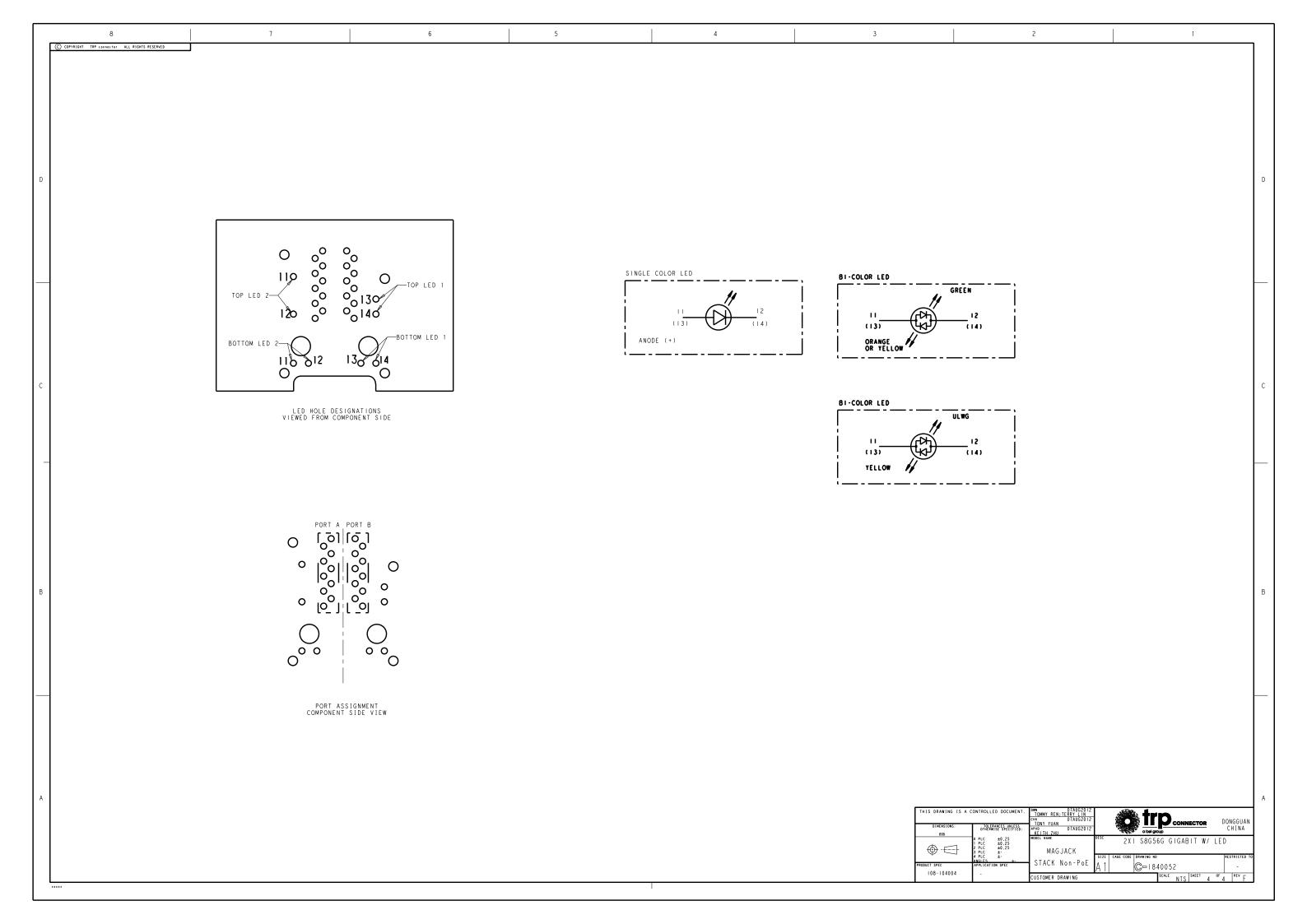
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

071002010										
DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER					
3.04	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	1840052-4					
3.04	GREEN	GREEN/ORANGE	GREEN	GREEN/ORANGE	1840052-6					
3.56	GREEN	GREEN	GREEN	GREEN	1-1840052-1					
3.56	GREEN/YELLOW	GREEN	GREEN	GREEN/YELLOW	1-1840052-9					
4.06	ULWG/YELLOW	ULWG/YELLOW	ULWG/YELLOW	ULWG/YELLOW	3-1840052-9					

	DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	07AUG2012 TOMMY REN:TERRY LIN CHK	CONNECTOR	DONGGUAN CHINA
ı	mm			DESC OUT OCCUPANT OUT OF THE OUT OF THE OUT	
	$\oplus \Box$	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±.	MAGJACK	2XI S8G56G GIGABIT W/	LED
- 1		4 PLC ±-		SIZE CAGE CODE DRAWING NO	RESTRICTED TO
ľ	PRODUCT SPEC 108-104004	ANGLES +- APPLICATION SPEC	STACK Non-PoE	A 1 C-1840052	-
	100-104004	-	CUSTOMER DRAWING	SCALE NTS SHEET	of 4 REV F







Mouser Electronics

Authorized Distributor

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1840052-4