



## **Excellent Integrated System Limited**

Stocking Distributor

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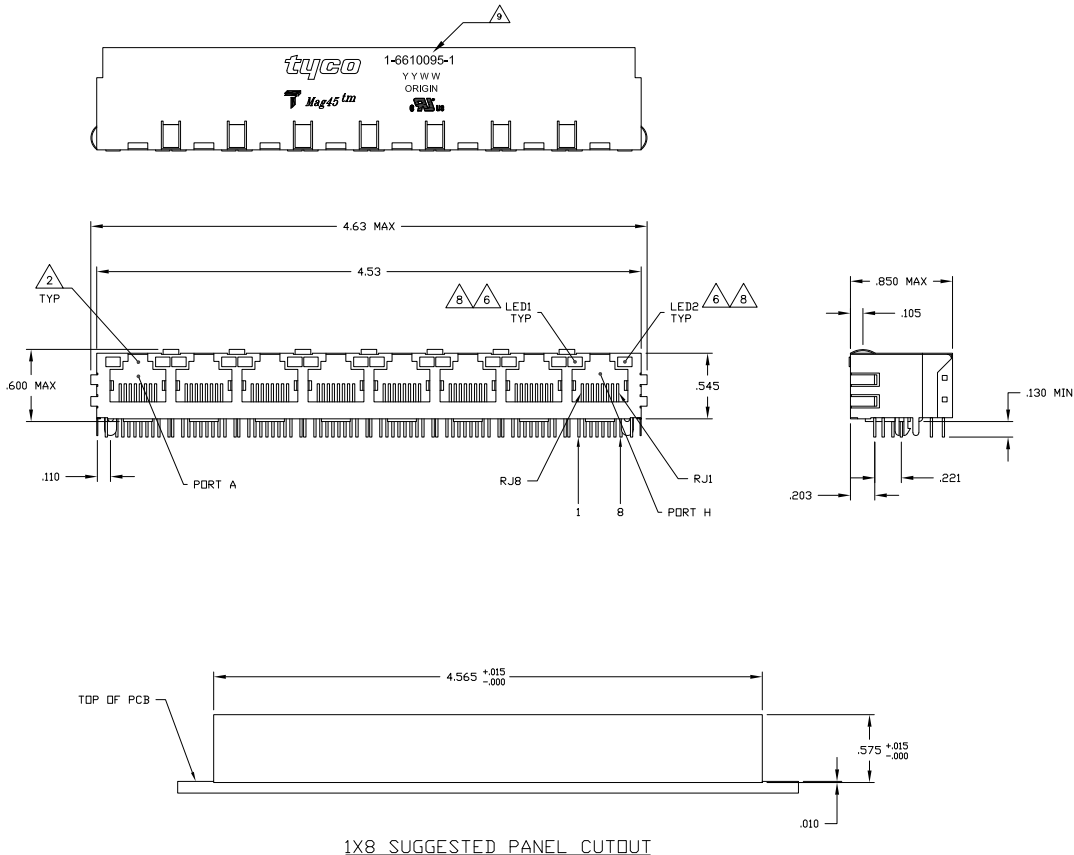
[TE Connectivity AMP Connectors](#)  
[1-6610095-1](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

REV	DATE	BY	CHK	APP
AA	22			
REVISIONS				
REV	PER	EC	0513-0620-04	
AA				

MECHANICAL:



- △ MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
  - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
  - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE.
  - SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
  - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ MAGNETICS
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP CABLE): TX = 11, RX = 11
  - OPEN CIRCUIT INDUCTANCE (OCIL) 350pH MIN @100MHz, 0.1V/RMS, 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
    - 18-20dBG/30dB MIN FROM 30 MHz TO 60MHz
    - 12dB MIN FROM 60 MHz TO 80MHz
    - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
    - 33-20dBG/50dB MIN FROM 40 MHz TO 100MHz
  - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
  - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM a or b.
- 4. OPERATING TEMPERATURE: FROM 0°C TO -70°C.
- △ RT-Rs = 75 OHMS, 1/16 W, 5% RESISTORS.
- △ LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS WHEN OPERATED UP TO 20 mA. THE 250 OHM RESISTOR IS INCLUDED IN THE LEADS.
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND DO NOT SUPPORT AUTO-MDIX/MDX.
- △ LED PEAK WAVELENGTH: GREEN(λ) = 565nm.
- △ TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

GREEN		GREEN	1-6610095-1
LED1	LED2		PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT			
DESIGNER	DATE	REV	REV
108-2100	108-2100	1	1
CUSTOMER DRAWING		DATE	REV
		4-1	1

