MATERIALS:
- HOUSING: THERMOPLASTIC FLAMMABILITY, RATING, UL 94V-0
- SHIELD: STAINLESS STEEL 0.15MM THICK, PREPLATED WITH 0.76UM MIN SEMI-BRIGHT NICKEL; SOLDER TABS POST PREPLATED WITH 3UM TIN.
- MOD JACK CONTACTS: 0.3MM THICK, PHOSPHOR BRONZE, 1.27UM MIN OVERALL NICKEL UNDERPLATE, WITH 0.76UM MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
- LIGHT EMITTING DIODE: DIFFUSED EPOXY LENS, 0.5MM X 0.5MM CARBON STEEL WIREFRAMES PREPLATED WITH 2.03UM MIN SILVER PLATE OVER 1.02UM MIN NICKEL OVER 1.02UM MIN COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05UM MIN MATTE TIN.

RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB-PART E.

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, 8MA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
- ALL FOUR PAIRS BI-DIRECTIONAL
- PERFORMANCE @ 25°C:
  - INSERTION LOSS (IL): 0.87dB 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:
    - 2250 VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC
  - OPERATING TEMPERATURE: FROM 0°C TO 70°C

LEDS WITH CONSTANT CURRENT AT APPROX 20mA.
- LED COLOR: DOMINANT WAVELENGTH (D), GREEN = 568#5NM TYP. AT IF=20mA
- FORWARD VOLTAGE (VF), GREEN = 2.2V TYP. AT IF=20mA.
- DOMINANT WAVELENGTH (D), YELLOW = 588#5NM TYP. AT IF=20mA
- FORWARD VOLTAGE (VF), YELLOW = 2.1V TYP. AT IF=20mA.

TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

THIS PART IS COMPLIANT TO WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE 100°C TO 130°C (30 SECONDS TO 60 SECONDS), PEAK SOLDERING TEMPERATURE 260°C MAX , 10 SECONDS MAX, OVER 230°C WITHIN 40-66 SECONDS.

THESE PARTS ARE COMPLIANT TO IR REFLOW SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE 260°C MAX DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-66 SECONDS.

TOWER YU / FRANK LIU
23OCT2013

TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

THIS PART IS COMPLIANT TO WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE 100°C TO 130°C (30 SECONDS TO 60 SECONDS), PEAK SOLDERING TEMPERATURE 260°C MAX , 10 SECONDS MAX, OVER 230°C WITHIN 40-66 SECONDS.

THESE PARTS ARE COMPLIANT TO IR REFLOW SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE 260°C MAX DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-66 SECONDS.