



REV	DATE	BY	CHKD	APP'D
AA	22			
K	REV PER EOC-10-01188			

- MATERIALS:**  
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0  
 ONLY FOR 3-661005-5 HIGH TEMPERATURE VERSION; BLACK, UL 94V-0  
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30µmch MIN SEMI-BRIGHT NICKEL; SOLDER TAB POSTS DIPPED WITH 10µmch MIN SAC SOLDER  
 HOUSING JACK CONTACTS - .010" x .010" PHOSPHOR BRONZE, 50µmch MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50µmch MIN HARD GOLD FINISH PLATE. SOLDER TABS WITH 10µmch MIN MATTE TIN AND/OR SAC SOLDER DIP  
 LIGHT EMITTING DIODE(S) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME LEADS PREPLATED WITH 80µmch SILVER OVER 4µmch NICKEL UNDERPLATE OVER 4µmch COPPER UNDERPLATE; POST-PLATED WITH 10µmch 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:**  
 APPLICATION: 10/100/1000 BASE-T  
 IMPEDANCE: 100 OHMS  
 TURNS RATIO (CHP/CABLE): 11 ALL FOUR PAIRS  
 OPEN CIRCUIT INDUCTANCE (OCL): 35nHt MIN @100MHz, 0 TVRMS, BRIDGE BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS  
 ALL FOUR PAIRS BI-DIRECTIONAL  
 PERFORMANCE @ 25°C:  
 INSERTION LOSS (IL): 1.5dB MAX FROM 0.5MHz TO 100MHz  
 RETURN LOSS (RL): 16dB MIN FROM 0.5MHz TO 4MHz  
 12-20.0dB/FREQ MIN FROM 4.5MHz TO 100MHz  
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4MHz  
 35-20.0dB/50dB MIN FROM 4.5MHz TO 100MHz  
 COMMON MODE REJECTION RATIO(CMRR): 30dBMIN FROM 0.5MHz TO 100MHz  
 ISOLATION VOLTAGE: THE CONNECTOR SHALL PROVIDE DC ISOLATION USING 325VDC MAXI FOR 60 SECONDS WITH A RISE TIME OF 50V V/SEC AND WITH ALL PORTS CONNECTED.
- ALL DIMENSIONS NOMINAL UNLESS OTHERWISE NOTED.**
- THE 250 OHM RESISTOR IS OPTIONAL. PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS.**  
 IF LEDS WITHOUT 250 OHM RESISTOR, LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA  
 LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 548 nm TYP @ IF=20 mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA  
 DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP @ IF=20 mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA  
 IF LEDS WITH BUILT-IN RESISTOR, LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.  
 LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 548 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): GREEN 10mA TYP @ VF=5V  
 DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): YELLOW 10mA TYP @ VF=5V
- INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO ACCOMMODATE CONNECTIONS FOR EITHER NIC OR HAS CONFIGURATION, OR SUPPORT AUTO-INDUK.**
- TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IS APPROPRIATE LOCATION SHOWN.**
- THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 160°C, 10 SECONDS TO 180 SECONDS. PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX (275°C MAX ONLY FOR 3-661005-5), 16 SECONDS MAX.**
- OPERATING TEMPERATURE FROM 0°C TO +70°C.**

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
861005					NO GREEN/YELLOW NO GREEN/YELLOW NO 6-6610005-6
146105					YES GREEN/YELLOW NO GREEN/YELLOW NO 5-6610005-6
186105					NO GREEN/YELLOW NO GREEN NO 3-6610005-5
196105					NO GREEN/YELLOW NO GREEN NO 2-6610005-5
196105					NO GREEN/YELLOW NO GREEN YES 2-6610005-4
196105					YES YELLOW YES GREEN YES 2-6610005-2
196105					NO GREEN YES GREEN/YELLOW NO 1-6610005-5
196105					NO GREEN YES GREEN YES 1-6610005-1
196105					NO GREEN/YELLOW NO GREEN/YELLOW NO 6610005-6
196105					NO GREEN/YELLOW NO GREEN YES 6610005-4
196105					NO YELLOW YES GREEN YES 6610005-2

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186105					NO GREEN/YELLOW NO GREEN NO 3-6610005-5
196105					NO GREEN/YELLOW NO GREEN NO 2-6610005-5
196105					NO GREEN/YELLOW NO GREEN YES 2-6610005-4
196105					YES YELLOW YES GREEN YES 2-6610005-2
196105					NO GREEN YES GREEN/YELLOW NO 1-6610005-5
196105					NO GREEN YES GREEN YES 1-6610005-1
196105					NO GREEN/YELLOW NO GREEN/YELLOW NO 6610005-6
196105					NO GREEN/YELLOW NO GREEN YES 6610005-4
196105					NO YELLOW YES GREEN YES 6610005-2

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CUSTOMER DRAWING

