



REV	DATE	DESCRIPTION	BY	CHKD
AA	00	REVISED PER ECO-11-012438	JQ	KZ

- MATERIALS:**
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 ONLY FOR 3-6610005-5 HIGH TEMPERATURE NYLON, BLACK, UL 94V-0.
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30micron MIN SEMI-BRIGHT NICKEL, SOLDER TAB POSTS DIPPED WITH 100micron MIN SAC SOLDER.
 MOD JACK CONTACTS - .0157" x .610" PHOSPHOR BRONZE, 50micron MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50micron MIN HARD GOLD FINISH PLATE. SOLDER TABS WITH 100micron MIN MATTE TIN AND/OR SAC SOLDER DIP.
 LIGHT EMITTING DIODE(S) - DIFFUSED EPOXY LENS, 200° x 020° CARBON STEEL WIREFRAME LEADS PREPLATED WITH 80micron SILVER OVER 4micron NICKEL UNDERPLATE OVER 4micron COPPER UNDERPLATE, POST-PLATED WITH 100micron 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): 1:1 ALL FOUR PAIRS
 -OPEN CIRCUIT INDUCTANCE (DC): 350nH MIN @100kHz, 0.1V RMS, 8mA DC 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 40MHz
 15-20.0GHz/100dB MIN FROM 4.0MHz TO 100MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20.0GHz/50dB MIN FROM 4.0MHz TO 100MHz
 COMMON MODE REJECTION RATIO(CMRR):30dBMIN FROM 0.5MHz TO 100MHz
 -ISOLATION VOLTAGE: THE CONNECTOR SHALL PROVIDE DC ISOLATION USING 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500 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 LEADS WITHOUT 250 OHM RESISTOR, LEADS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
 LED COLOR: DOMINANT WAVELENGTH (λ): (D) GREEN 568 nm TYP @ IF=20 mA
 FORWARD VOLTAGE (VF) (VF) GREEN 2.2V TYP @ IF=20 mA
 DOMINANT WAVELENGTH (λ): (D) YELLOW 588 nm TYP @ IF=20 mA
 FORWARD VOLTAGE (VF) (VF) YELLOW 2.2V TYP @ IF=20 mA
 IF LEADS WITH BUILT-IN RESISTOR, LEADS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
 LED COLOR: DOMINANT WAVELENGTH (λ): (D) GREEN 568 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 HUB CONFIGURATION, OR SUPPORT AUTO-M/MDX.**
- TE CONNECTIVITY LOGO, TE CONNECTIVITY PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.**
- 8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120 °C TO 160 °C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260 °C MAX (275 °C MAX ONLY FOR 3-6610005-5), 10 SECONDS MAX.**
- 9. OPERATING TEMPERATURE: FROM 0°C TO +70°C.**

FOR 5-6610005-6 & 2-6610005-2

REV	DATE	DESCRIPTION	BY	CHKD		
081e.010	NO	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6-6610005-6
145e.010	YES	GREEN/YELLOW	NO	GREEN/YELLOW	NO	5-6610005-6
100e.010	NO	GREEN/YELLOW	NO	GREEN	NO	3-6610005-5
125e.010	NO	GREEN/YELLOW	NO	GREEN	NO	2-6610005-5
125e.010	NO	GREEN/YELLOW	NO	GREEN	YES	2-6610005-4
145e.010	YES	YELLOW	YES	GREEN	YES	2-6610005-2
145e.010	NO	GREEN	YES	GREEN/YELLOW	NO	1-6610005-5
145e.010	NO	GREEN	YES	GREEN	YES	1-6610005-1
145e.010	NO	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6610005-6
145e.010	NO	GREEN/YELLOW	NO	GREEN	YES	6610005-4
145e.010	NO	YELLOW	YES	GREEN	YES	6610005-2

THIS DRAWING IS A CONTROLLED DOCUMENT:	TE CONNECTIVITY
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REV	DATE	DESCRIPTION	BY	CHKD
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