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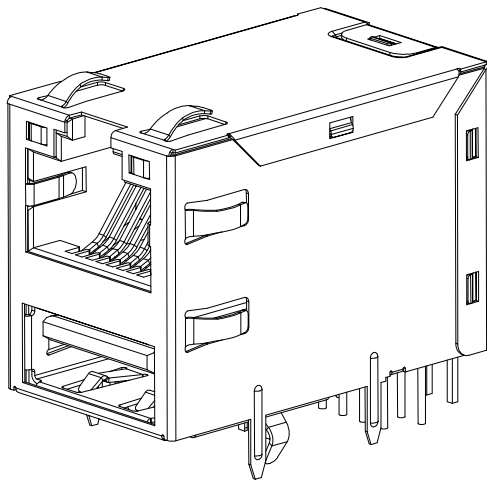
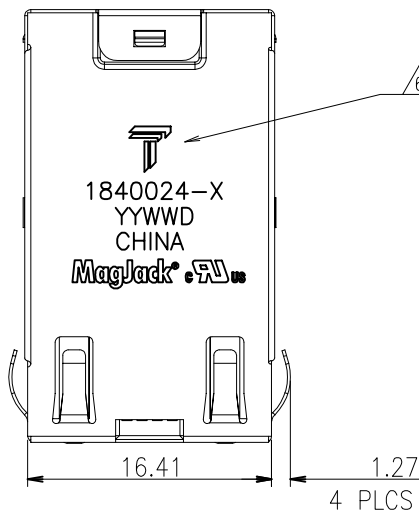
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
E		EC-1411035, LOGO CHANGE	09JAN2015	JC	TY



1. RJ45 MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0
SHIELD: BRASS, 0.2 mm THICK
PREPLATED WITH MIN 0.76 μ m SEMI-BRIGHT NICKEL
POST DIPPED WITH 2.54 μ m MIN SAC SOLDER AT GROUND PINS.
CONTACT: PHOSPHOR BRONZE, WITH 1.27 μ m MIN OVERALL NICKEL UNDERPLATE
AND SELECTIVE 1.27 μ m MIN GOLD PLATING AT MATING INTERFACE
SOLDER TAIL: COPPER STEEL, PLATED WITH 2.54 μ m MIN MATTE TIN
LED: DIFFUSED EPOXY LENS, 0.5 mm SQUARE CARBON STEEL WIREFRAME
LEADS PREPLATED WITH 2.03 μ m MIN SILVER OVER 1.02 μ m MIN NICKEL OVER 1.02 μ m MIN COPPER UNDERPLATE
POST PLATED WITH 2.54 μ m MIN MATTE TIN OR SAC TIN SOLDER DIP
USB MATERIALS:
HOUSING: THERMOPLASTIC, FLAMMABILITY RATED UL94V-0
CONTACT: COPPER ALLOY WITH 0.76 MIN GOLD PLATING OVER 1.27 μ m MIN OVERALL NICKEL UNDERPLATE
SHELL: COPPER ALLOY, PREPLATED WITH MIN 0.76 μ m SEMI-BRIGHT NICKEL, 2.54 μ m TIN PLATED
LIGHT PIPE:
POLYCARBONATE, TRANSPARENT, FLAMMABILITY RATED UL94V-0

2. APPLICATION: 10/100/1000 BASE-T
IMPEDANCE: 100 OHMS
TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
OPEN CIRCUIT INDUCTANCE (OCL): 350 nH MIN @ 100 kHz, 0.1 VRMS, 8 mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
ALL FOUR PAIRS BI-DIRECTIONAL
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1 dB MAX FROM 0.5 MHz TO 100 MHz
RETURN LOSS (RL): 18 dB MIN FROM 0.5 MHz TO 40 MHz
12-20 LOG(f/80) dB MIN FROM 40.1 MHz TO 100 MHz
CROSSTALK ATTENUATION: 35 dB MIN FROM 0.5 MHz TO 40 MHz
33-20 LOG(f/50) dB MIN FROM 40.1 MHz TO 100 MHz
COMMON MODE REJECTION RATIO (CMRR): 30 dB MIN FROM 0.5 MHz TO 100 MHz
ISOLATION VOLTAGE: COMPLIES WITH IEEE 802.3 2002, PARA 40.6.1.1, ITEM b

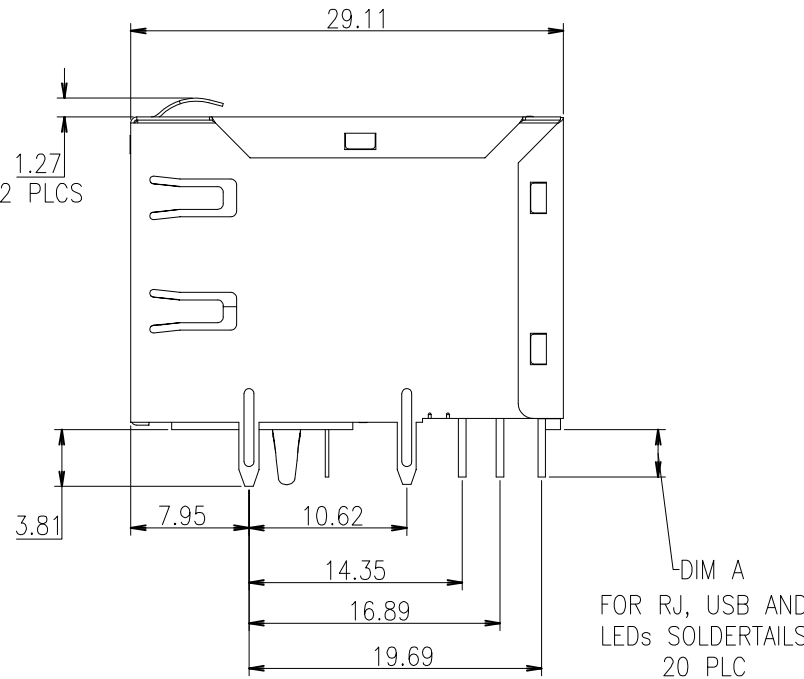
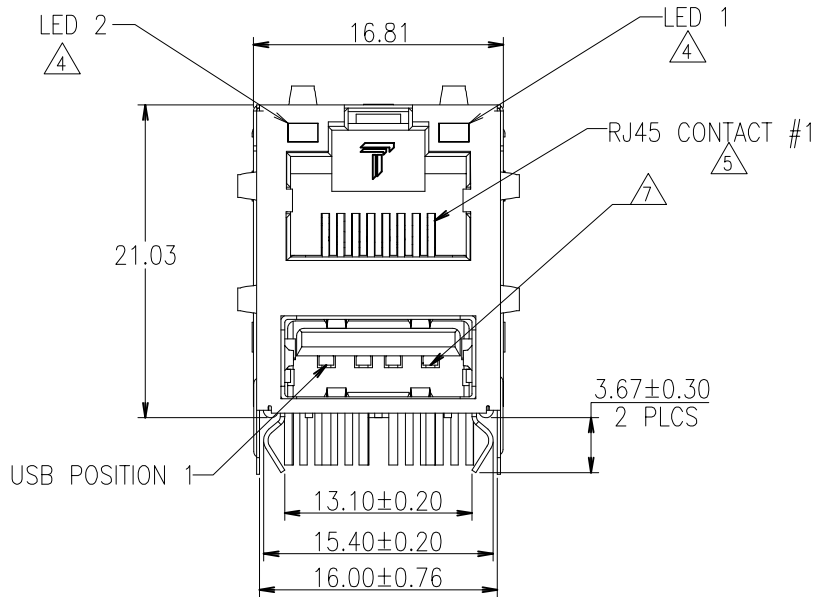
3. OPERATING TEMPERATURE 0°C TO +70°C.

4. LED IS DRIVEN WITH CONSTANT CURRENT APPROX 20 mA
DOMINANT WAVE LENGTH (λ D): GREEN 568 nm TYP, AT IF=20 mA
FORWARD VOLTAGE (VF): GREEN 2.2V AT IF=20 mA
DOMINANT WAVE LENGTH (λ D): YELLOW 588 nm TYP, AT IF=20 mA
FORWARD VOLTAGE (VF): YELLOW 2.1V AT IF=20 mA
DOMINANT WAVE LENGTH (λ D): ORANGE 605 nm TYP, AT IF=20 mA
FORWARD VOLTAGE (VF): ORANGE 2.1V AT IF=20 mA

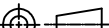
5. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

6. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY LOGO TO BE MARKED IN APPROXIMATE LOCATION SHOWN.

7. MATING INTERFACE COMPLIES WITH USB SPECIFICATION REV 2.0.



3.81	GREEN	GREEN	1-1840024-1
3.18	GREEN/ORANGE	YELLOW	1840024-2
3.18	GREEN	GREEN	1840024-1
DIM A	LED 2	LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SKY ZHAO	03MAR2008	 trp CONNECTOR a bel group		DONGGUAN CHINA		
DIMENSIONS: mm		CHK KEITH ZHU	03MAR2008					
		APVD TEDDY XIONG	03MAR2008					
		MODEL NAME MAGJACK OVER USB NON-PoE		DESC MAGJACK OVER SINGLE USB URG18, GIGABIT CIRCUIT, W/ LEDS				
PRODUCT SPEC 108-104005		APPLICATION SPEC -		SIZE A2	CAGE CODE	DRAWING NO C=1840024		RESTRICTED TO -
				CUSTOMER DRAWING		SCALE 3:1	SHEET 1 OF 2	REV E

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