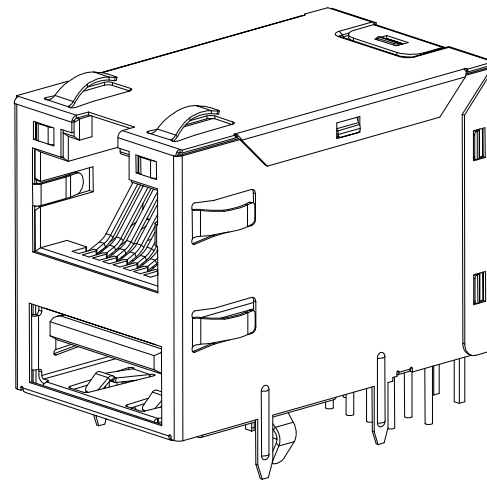
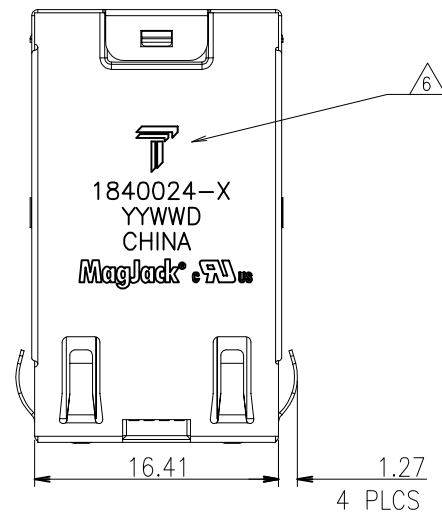


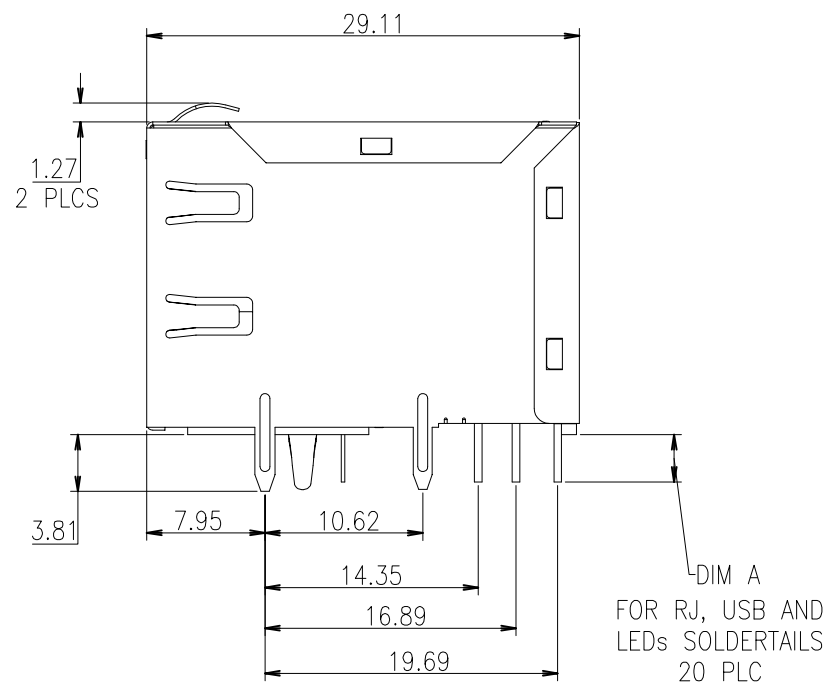
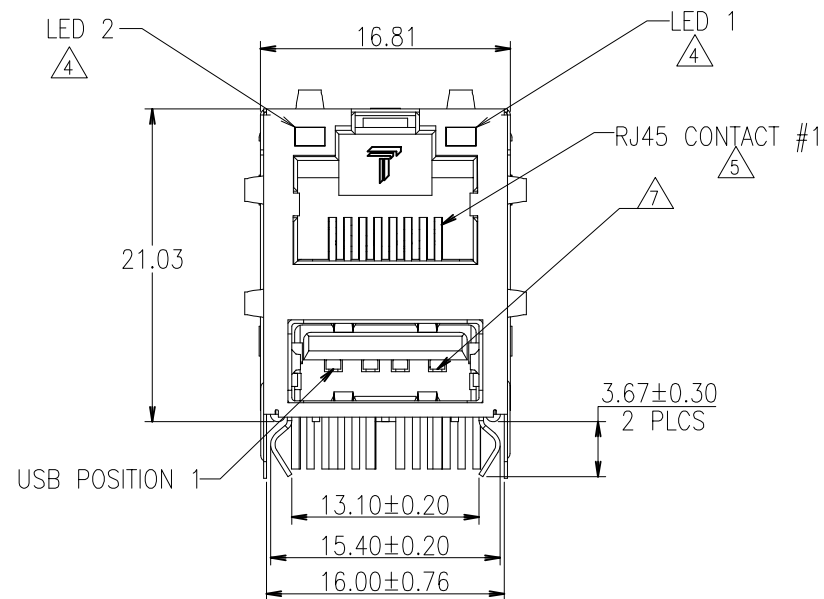
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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(OC L): 350uH MIN @100kHz, 0.1 VRMS,
8mADC 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 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG(f/80)dB MIN FROM 40.1 MHz TO 100MHz
CROSSTALK ATTENUATION: 35 dB MIN FROM 0.5 MHz TO 40 MHz
33-20LOG(f/50) dB MIN FROM 40.1 MHz TO 100 MHz
COMMON MODE REJECTION RATIO (CMRR): 30dBMIN FROM 0.5MHz TO 100MHz
ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 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=20mA
FORWARD VOLTAGE(VF): GREEN 2.2V AT IF=20mA
DOMINANT WAVE LENGTH(λ_D): YELLOW 588 nm TYP, AT IF=20mA
FORWARD VOLTAGE(VF): YELLOW 2.1V AT IF=20mA
DOMINANT WAVE LENGTH(λ_D): ORANGE 605 nm TYP, AT IF=20mA
FORWARD VOLTAGE(VF): ORANGE 2.1V AT IF=20mA

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 a be group		PART NUMBER		
DIMENSIONS: mm		CHK KEITH ZHU	03MAR2008			DONGGUAN CHINA		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TEDDY XIONG	03MAR2008	DESC MAGJACK OVER SINGLE USB URG18, GIGABIT CIRCUIT, W/ LEDS		PART NUMBER		
		MODEL NAME MAGJACK				SIZE A2	CAGE CODE	DRAWING NO C=1840024
PRODUCT SPEC 108-104005		OVER USB NON-PoE		CUSTOMER DRAWING		SCALE 3:1	SHEET 1 OF 2	REV E
APPLICATION SPEC —								

