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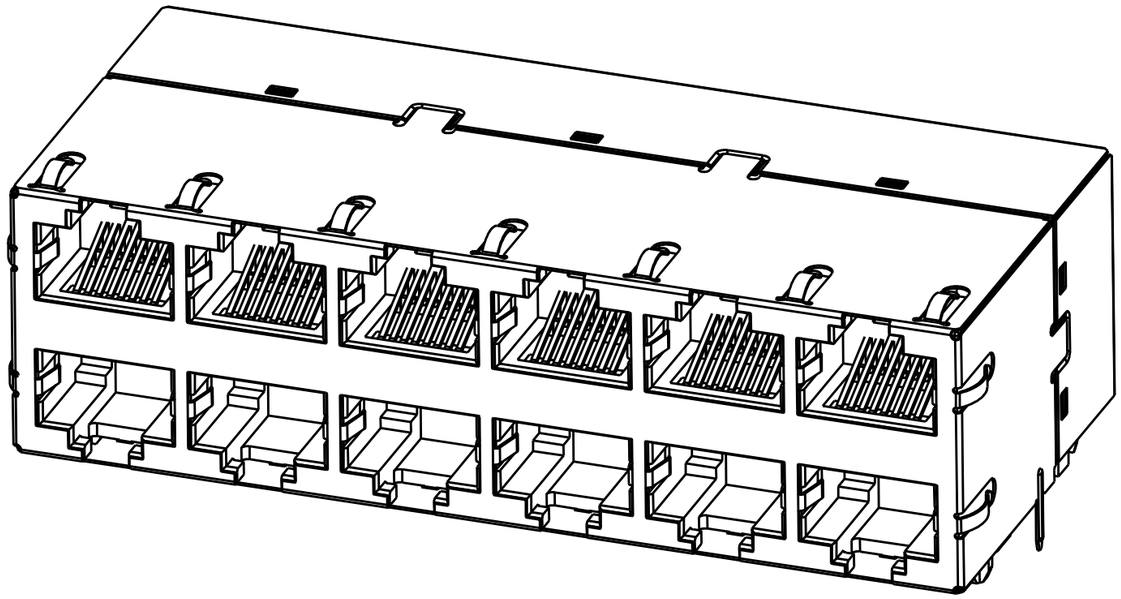
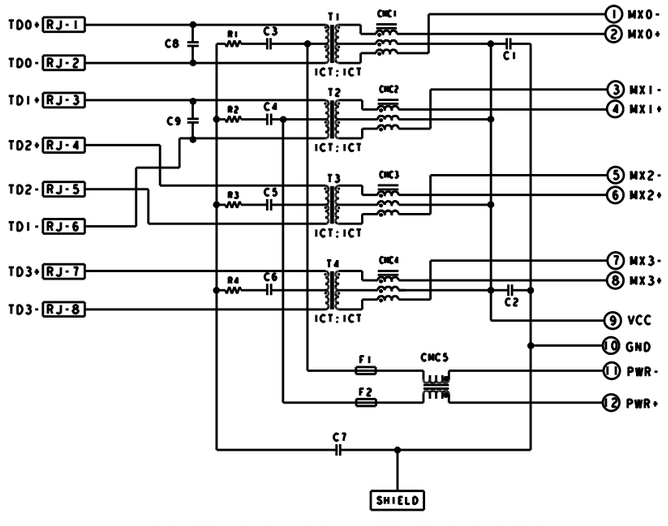
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 8217391 8149050 7924130

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F	EC-1411035 COMPANY LOGO CHANGE	25DEC2014	RL	KZ



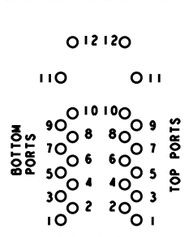
S9HG69 GIGABIT PoE PLUS CIRCUIT △2△7

TOP AND BOTTOM PORTS

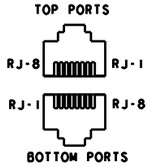


C1-C2=10nF, 50V, X7R,CAPACITORS
C3-C6=22nF, 100V, CAPACITORS
C8-C9=3.3pF, 50V, CAPACITORS
C7=1000pF, 2KV, CAPACITOR
R1-R4=75Ohms,1/16W,RESISTORS
F1-F2=63V, 1.5A, FUSES

PIN DESIGNATIONS
(REPEAT FOR EACH VERTICAL PAIR OF PORTS)



PCB PINS (TOP VIEW, COMPONENT SIDE



RJ CABLE CONTACTS

1. MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL, POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMPERATURE PCB,TG>170°C

△2 MAGNETICS
APPLICATION: 10/100/1000 BASE-T, PoE PLUS
IMPEDANCE: 100 OHMS
TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
OPEN CIRCUIT INDUCTANCE (OCL): ALL CHANNELS 350uH MIN @100kHz, 0.1VRMS WITH 8mADC BIAS FROM 0°C TO 70°C.
120uH MIN @100kHz, 0.1VRMS WITH 19mADC BIAS FROM 0°C TO 70°C, ACROSS RJ1-RJ2 & RJ3-RJ6.
ALL FOUR PAIRS BI-DIRECTIONAL
POE CURRENT: 600mADC MAX
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB 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: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.

△3 PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN APPROXIMATE AREA SHOWN. DATE CODE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1

△4 TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN APPROXIMATE AREA SHOWN.

5. OPERATING TEMP: FROM 0°C TO +70°C.

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

△7 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.

△8 DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

△9 BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE GREATER THAN 5.08mm.

10. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

2.84	1840840-1
DIM A	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±·
1 PLC ±·
2 PLC ±0.25
3 PLC ±·
4 PLC ±·
ANGLES ±·

PRODUCT SPEC: 108-104004
APPLICATION SPEC: -

DWN TOMMY R/JOHNSON G 16SEP2010
CHK TONY YUAN 16SEP2010
APVD KEITH ZHU 16SEP2010

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK STACK POE PLUS

DESC: 2X6 S9HG69 GIGABIT PoE PLUS W/O LED

SIZE A1 | CAGE CODE | DRAWING NO C-1840840 | RESTRICTED TO -

Customer Drawing | SCALE NTS | SHEET 1 OF 3 | REV F

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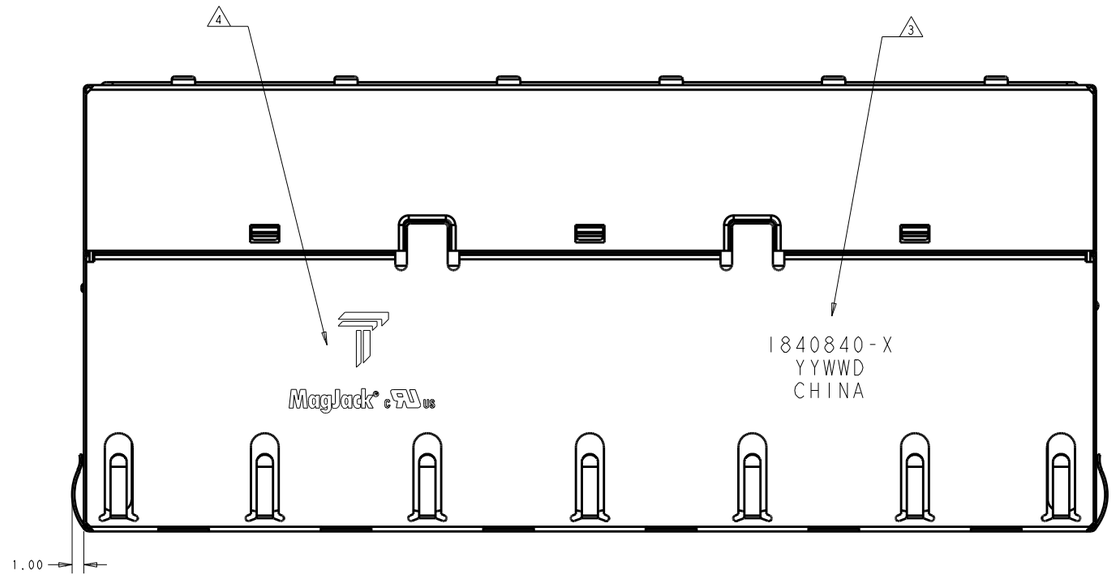

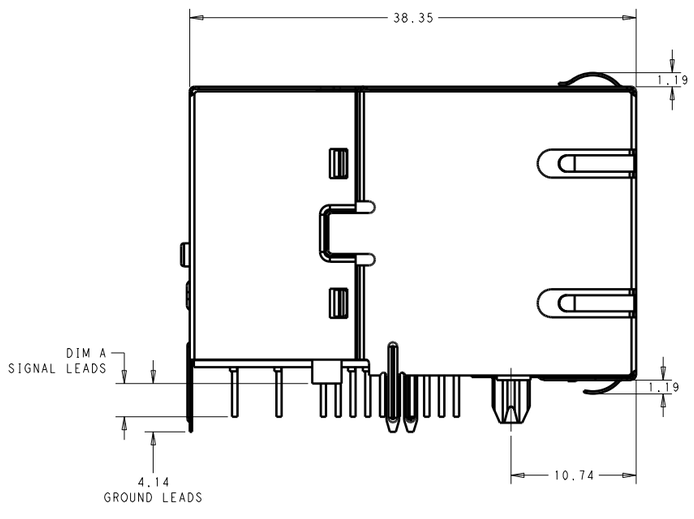

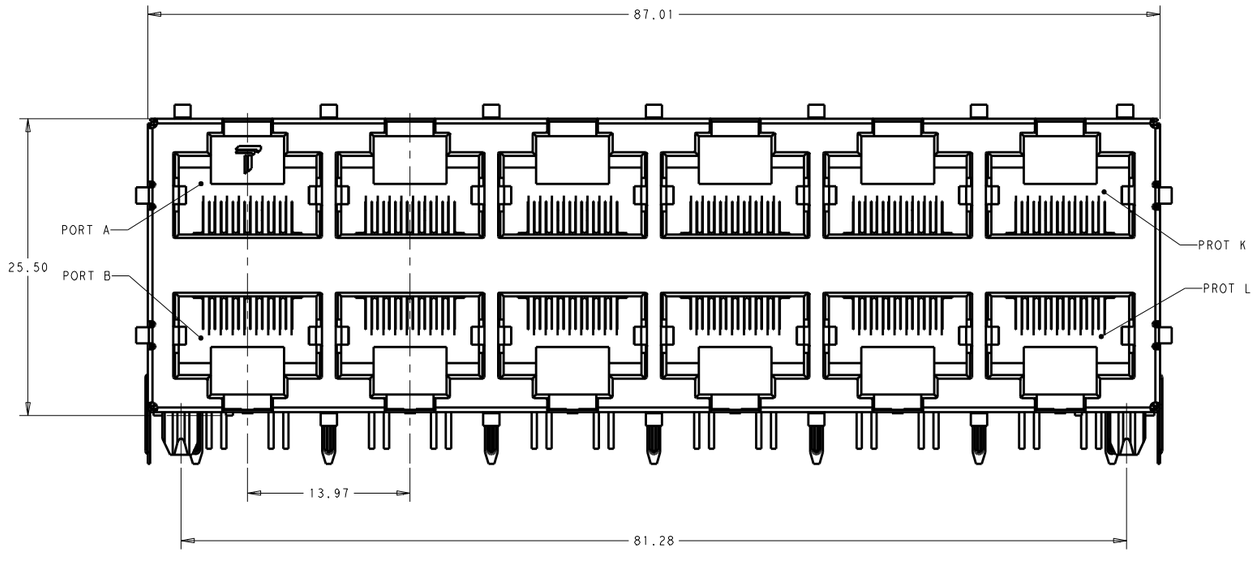

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.25
3 PLC ±-
4 PLC ±-
ANGLES ±-

PRODUCT SPEC: 108-104004
APPLICATION SPEC: -

DWN 16SEP2010 TOMMY R/JOHNSON C
CHK 16SEP2010 TONY YUAN
APVD 16SEP2010 KEITH ZHU

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK STACK POE PLUS

DESC: 2X6 S9HG69 GIGABIT PoE PLUS W/O LED

SIZE A1 | CAGE CODE | DRAWING NO C-1840840 | RESTRICTED TO -

Customer Drawing | SCALE NTS | SHEET 2 OF 3 | REV F

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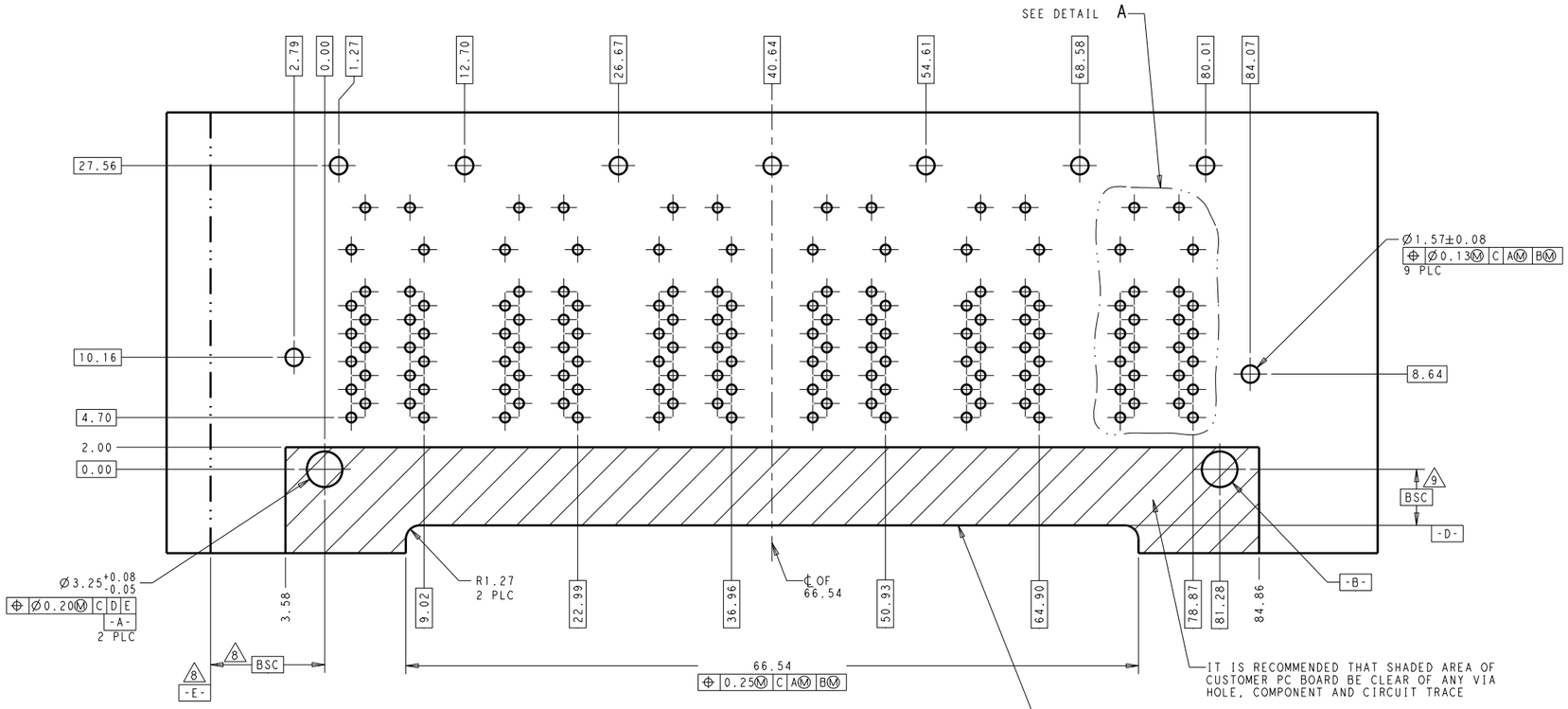
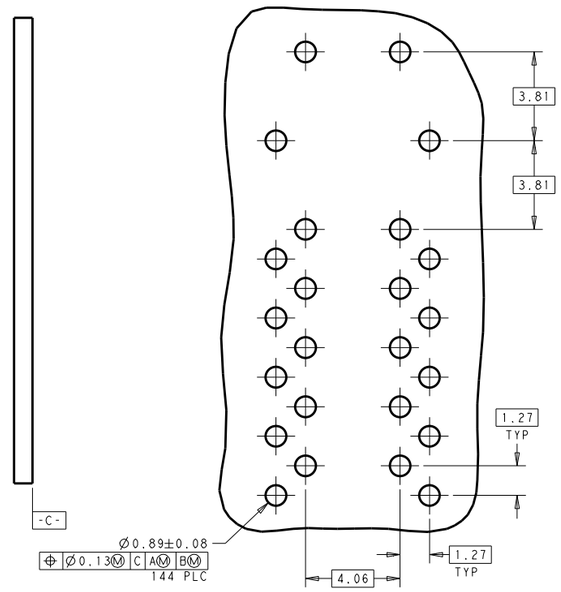
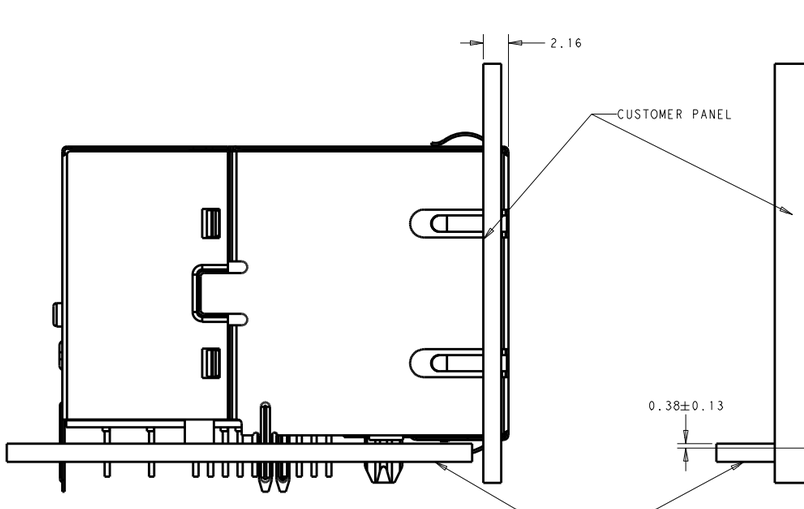


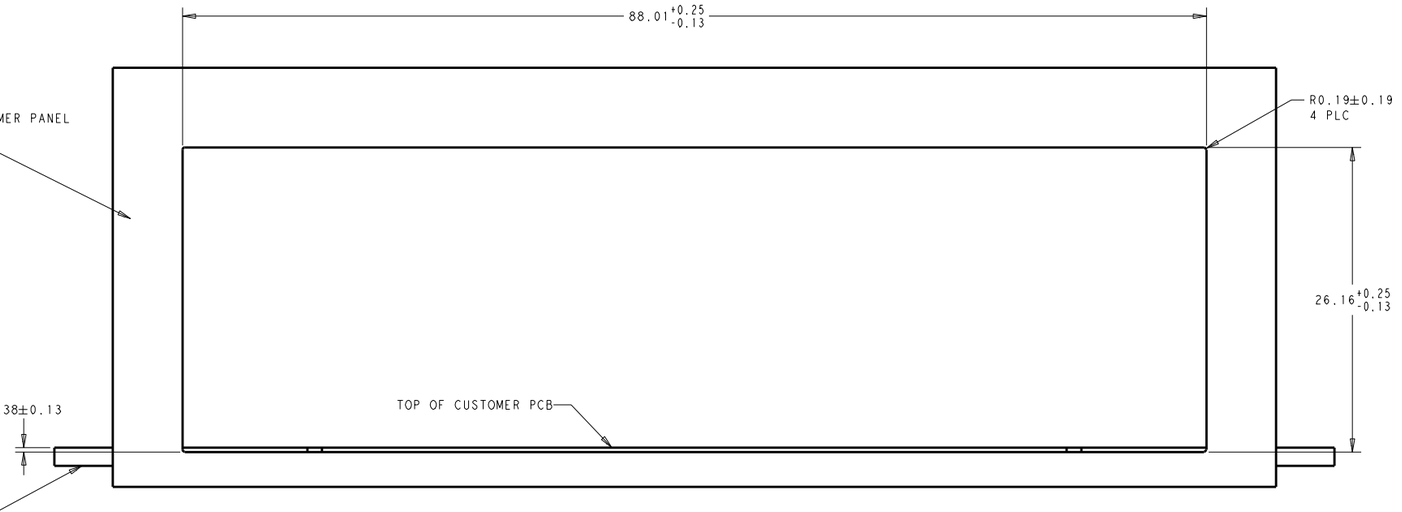


DETAIL A
SCALE 8:1

RECOMMENDED PCB LAYOUT
COMPONENT SIDE VIEW



SHOWN WITH PANEL AND
CUSTOMER PCB ASSEMBLY



SUGGESTED PANEL CUTOUT DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±.
2 PLC ±.25
3 PLC ±.
4 PLC ±-
ANGLES ±-

PRODUCT SPEC: 108-104004
APPLICATION SPEC: -

DWN TOMMY R/JOHNSON G 16SEP2010
CHK TONY YUAN 16SEP2010
APVD KEITH ZHU 16SEP2010
MODEL NAME: MAGJACK STACK POE PLUS

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 2X6 S9HG69 GIGABIT PoE PLUS W/O LED

SIZE A1 | CAGE CODE | DRAWING NO C-1840840 | RESTRICTED TO -

Customer Drawing | SCALE NTS | SHEET 3 OF 3 | REV F