



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



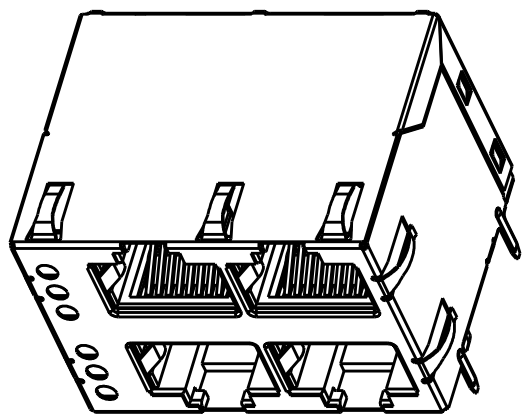
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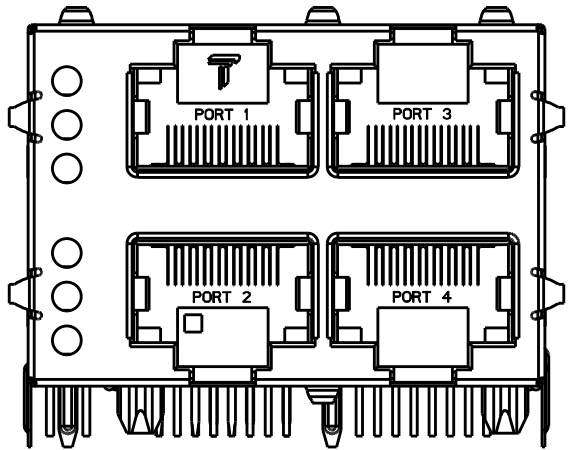
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3D VIEW
SCALE 3:1



FRONT VIEW
SCALE 4:1

△ 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.
 LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED
 ARE PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
 UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE. POST-PLATED WITH
 2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

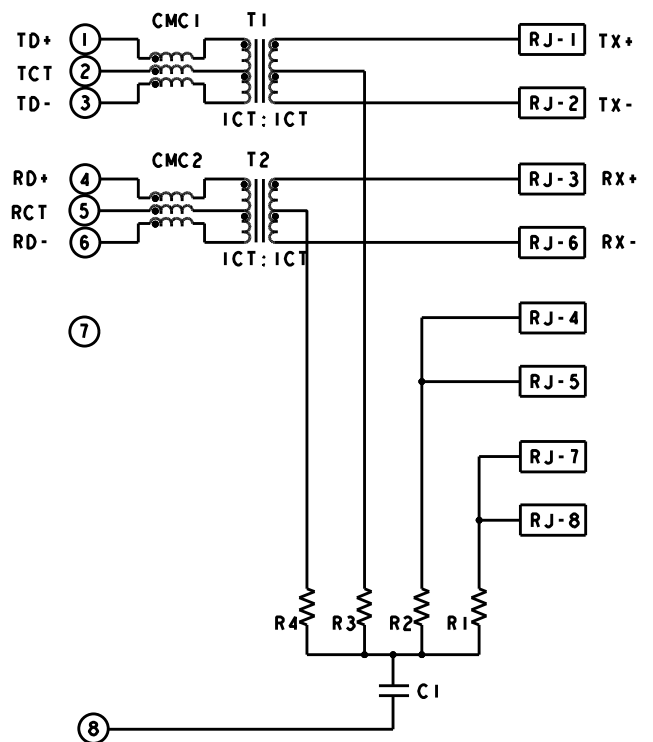
△ MAGNETICS
 -APPLICATION: 10/100 BASE-T
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
 12dB MIN FROM 60.1MHz TO 80MHz
 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.

△ TRP LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN,
 AGENCY APPROVAL MARKING IN APPROPRIATE LOCATION SHOWN.
 DATE CODE: YYWW WHERE YY IS YEAR, WW IS WORK WEEK,
 D IS DAY OF WEEK, WITH SUNDAY=1

4. OPERATING TEMP: FROM 0°C TO +70°C.
 △ RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
 △ LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
 LED COLOR: DOMINANT WAVELENGTH (D): GREEN 568 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA

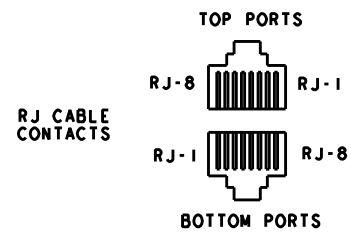
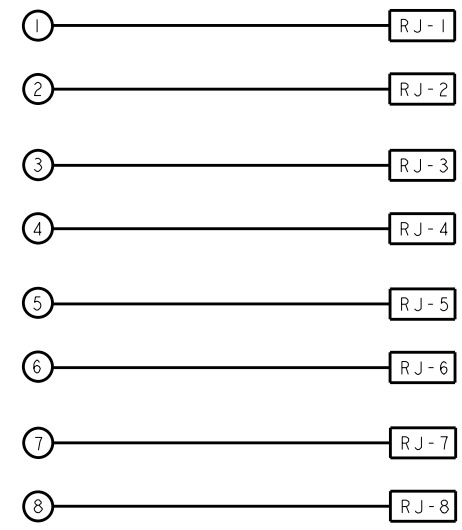
△ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
 8. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
 PEAK TEMPERATURE 260°C MAX, 10sec MAX.
 9. THIS COMPONENT IS UL LISTED.

S743PI 10/100 BASE-T CIRCUIT △
 FOR PORT 1 AND PORT 2

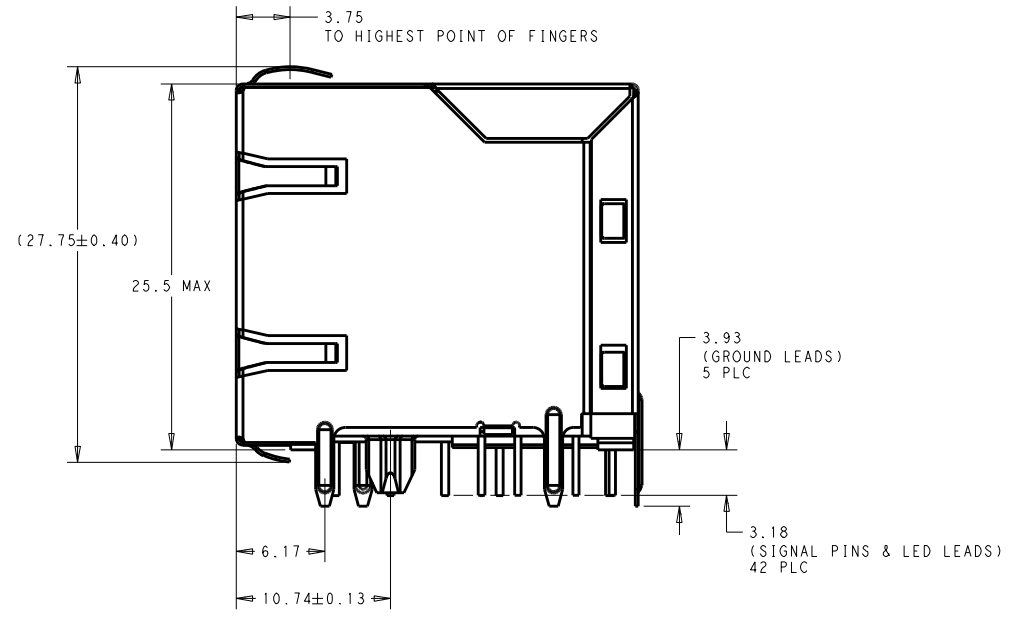
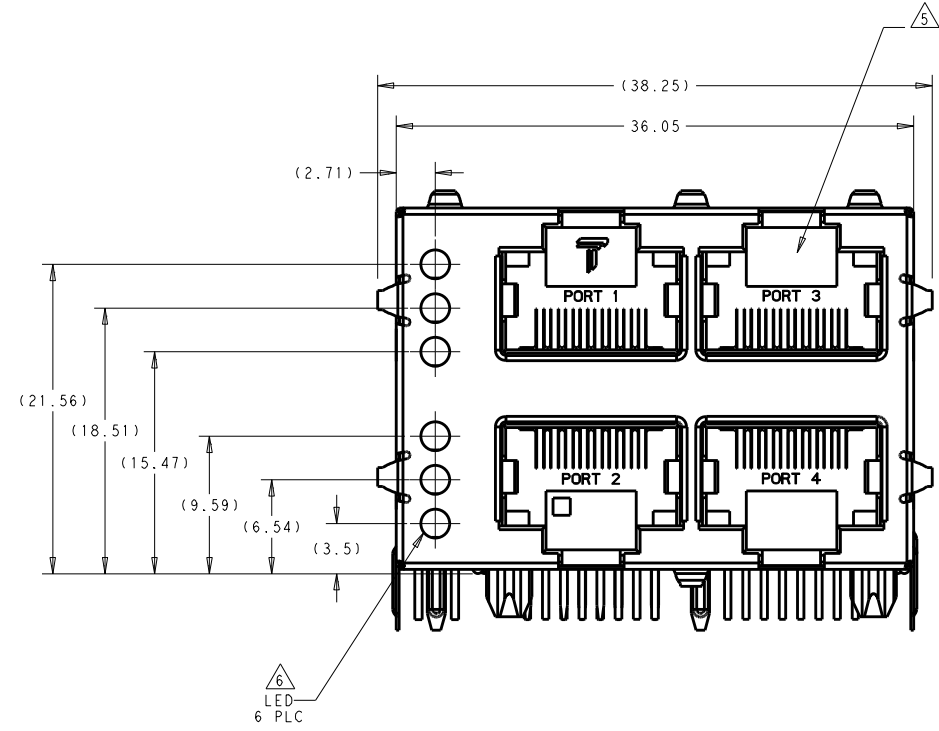
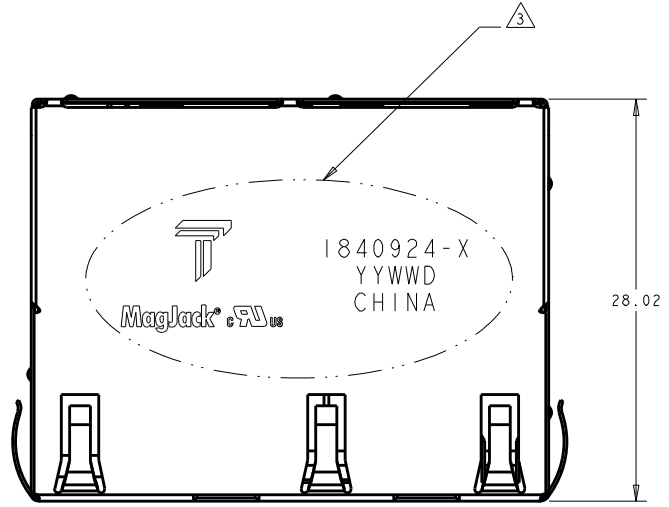


R1 -R4: 75Ω
 C1: 1000pF, 2KV

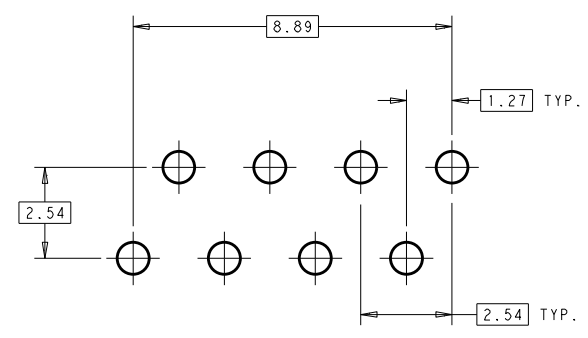
THROUGHT CIRCUIT
 FOR PORT 3 AND PORT 4



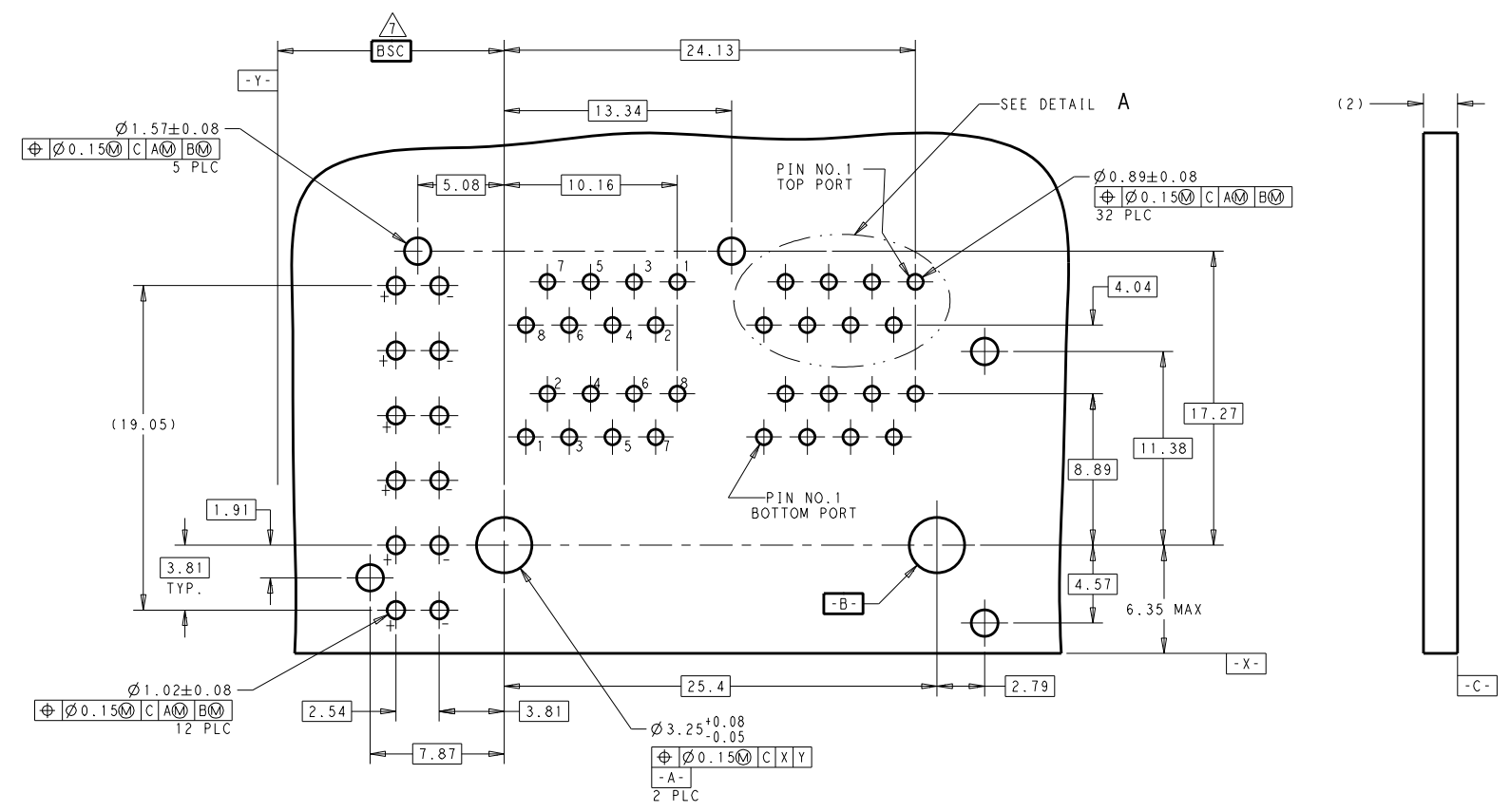
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN CLOUD ZENG 06JAN2010	trp CONNECTOR	DONGGUAN CHINA
DIMENSIONS: mm		CHK TONY YUAN 06JAN2010	1840924-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KE LTH ZHU 06JAN2010	SIDE LED (6 PLC) PART NUMBER	
0 PLC ±	1 PLC ±	2 PLC ±0.25	2X2 S743PI 10/100 W/ LED	
3 PLC ±	4 PLC ±	ANGLES ±	MAGJACK	
PRODUCT SPEC 108-104004	APPLICATION SPEC	MODEL NAME	SIZE A1	RESTRICTED TO
CUSTOMER DRAWING		SCALE NTS	SHEET 1 OF 3	REV F



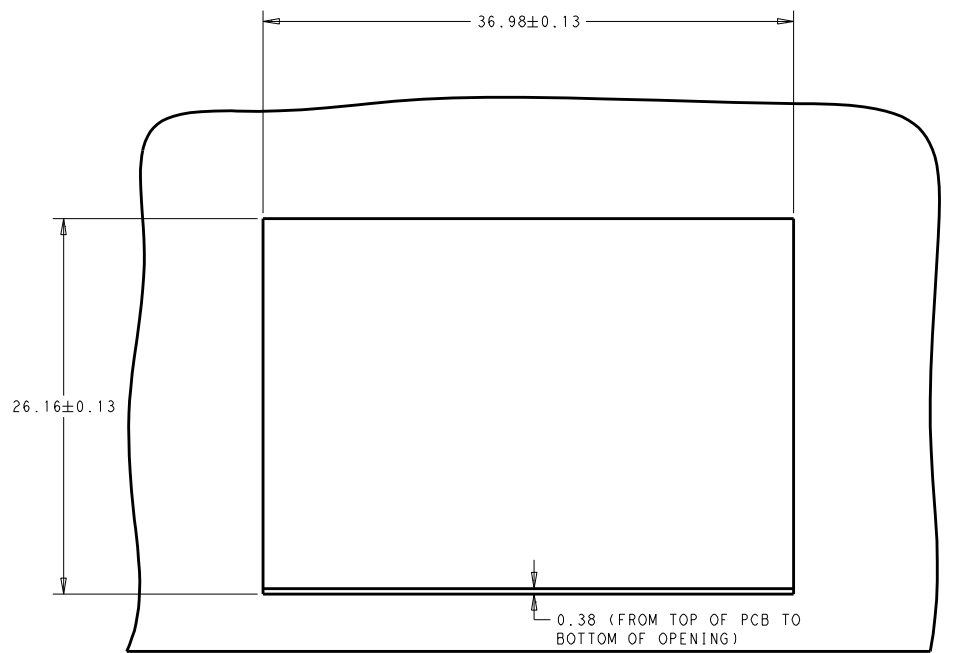
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN CLOUD ZENG 06 JAN 2010	trp CONNECTOR DONGGUAN CHINA
DIMENSIONS: mm		CHK TONY YUAN 06 JAN 2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 06 JAN 2010	DESC 2X2 S743P1 10/100 W/ LED
		MODEL NAME MAGJACK	SIZE A1
PRODUCT SPEC 108-104004	APPLICATION SPEC -	CAGE CODE -	DRAWING NO 1840924
CUSTOMER DRAWING		SCALE NTS	SHEET 2 OF 3 REV F



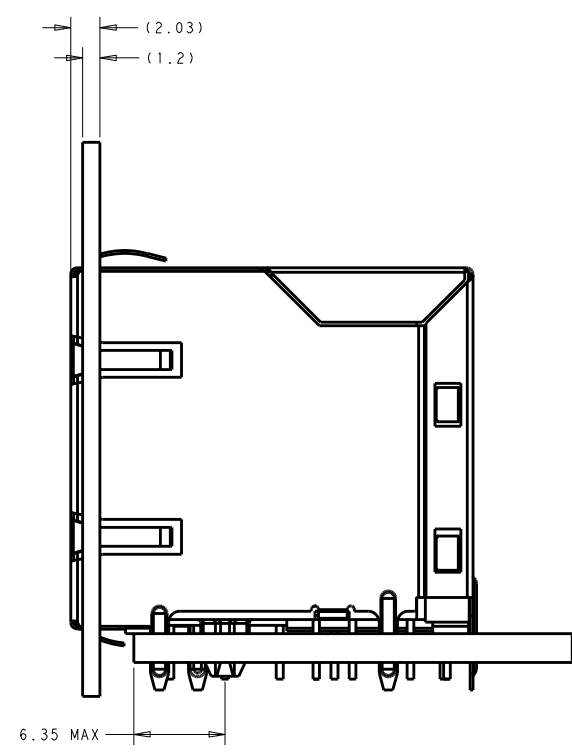
TYPICAL HOLE LAYOUT
DETAIL A
SCALE 10:1
(4 POSITIONS)



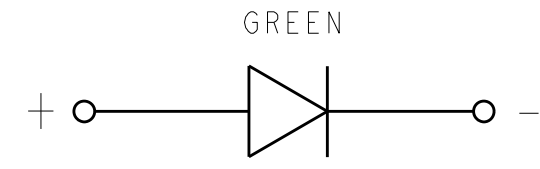
RECOMMENDED PC BOARD LAYOUT
(VIEW FROM COMPONENT SIDE)
SCALE 5:1



SUGGESTED PANEL OPENING



SIDE VIEW SHOWN WITH PANEL
AND CUSTOMER PCB
FOR LOCATION



LED CONFIGURATION
(6 POSITIONS)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 06 JAN 2010	DONGGUAN CHINA
DIMENSIONS: mm		DWG: CLOUD ZENG CHK: TONY YUAN APVD: KE LTH ZHU	
0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ±		MODEL NAME: MAGJACK SIZE: 2X2 S743P1 10/100 W/ LED	RESTRICTED TO: - SCALE: NTS
PRODUCT SPEC: 108-104004 APPLICATION SPEC: -		DRAWING NO: 1840924 SHEET: 3 OF 3 REV: F	