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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
	D	LOGO CHANGE	25APR2013	TY	KZ
	E	EC-1411035 COMPANY LOGO CHANGE	13JAN2015	TYR	TYN

1. MATERIALS:
   -HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-O
   -SHIELD: 0.25mm THICK, BRASS PREPLATED WITH 0.76 um MIN SEMI-BRIGHT NICKEL;
   -CONTACT TAILS: 0.20mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, 3 um MIN TIN PLATE
   -MOD JACK CONTACTS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 um MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
   -LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, CARBON STEEL WIREFRAME PREPLATED WITH 2.03 um SILVER PLATE OVER 1.02 um NICKEL OVER 1.02 um COPPER UNDERPLATES; LEADS POST-PLATED WITH 3.05 um TIN.

△2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB-PART F.

△3 MAGNETICS
   -APPLICATION: 10/100/1000 BASE-T
   -IMPEDANCE: 100 Ω
   -TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
   -OPEN CIRCUIT INDUCTANCE (OCL): 350 uH MIN @100kHz, 0.1VRMS,8mADC BIAS FROM 0 °C TO 70 °C, ALL FOUR PAIRS
   -ALL FOUR PAIRS BI-DIRECTIONAL
   -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.

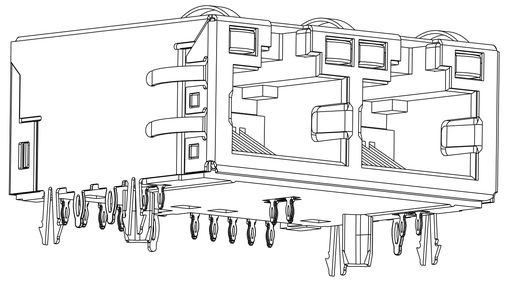
△4 OPERATING TEMPERATURE:
   FROM 0°C TO +70°C.

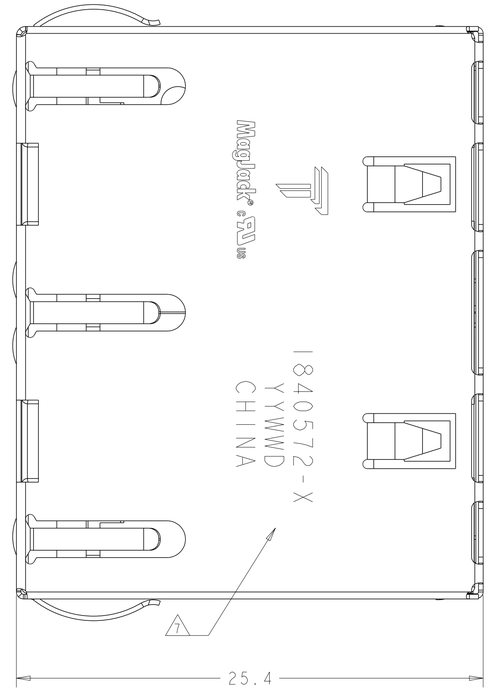
△5 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
   LED COLOR: DOMINANT WAVELENGTH (λD):
      GREEN 568 nm TYP @ IF=20 mA
   FORWARD VOLTAGE (VF):
      GREEN 2.2V TYP @ IF=20 mA
   DOMINANT WAVELENGTH (λD):
      YELLOW 588 nm TYP @ IF=20 mA
   FORWARD VOLTAGE (VF):
      YELLOW 2.1V TYP @ IF-20 mA

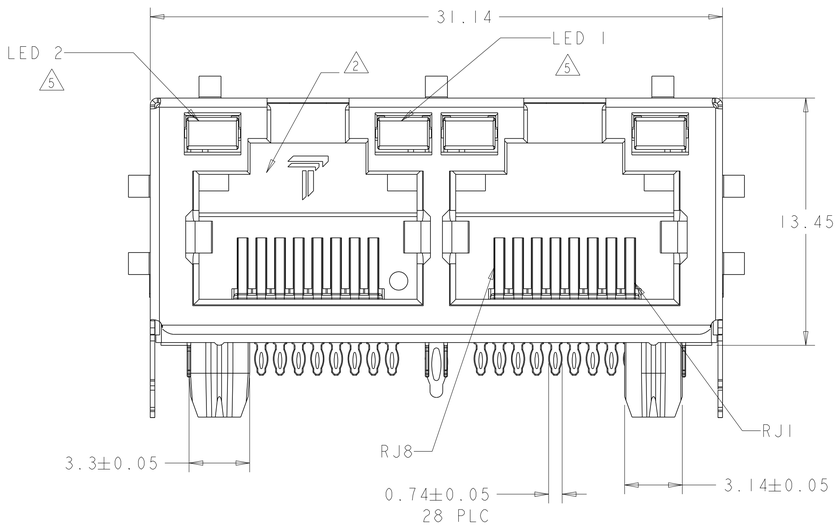
△6 ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

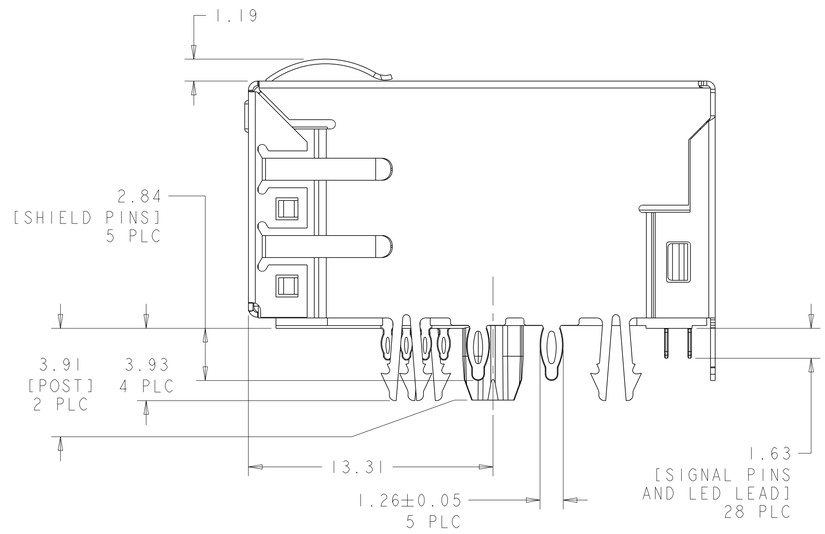
△7 TRADEMARK,PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN

8 THESE PARTS ARE NOT DESIGNED FOR WAVE OR IR RELFOW SOLDERING APPLICATION









GREEN	GREEN	1840572-7
GREEN/YELLOW	GREEN/YELLOW	1840572-6
LED 2	LED 1	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±
4 PLC ±
ANGLES ±
△6

PRODUCT SPEC: 108-104013
APPLICATION SPEC: -

DWN: TOWER YU 04SEP2009
CHK: KEITH ZHU 04SEP2009
APVD: KEITH ZHU 04SEP2009

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK GANG NON-POE

DESC: 1X2 7G74P2 GIGABIT TAB UP PRESSFIT W/ LED

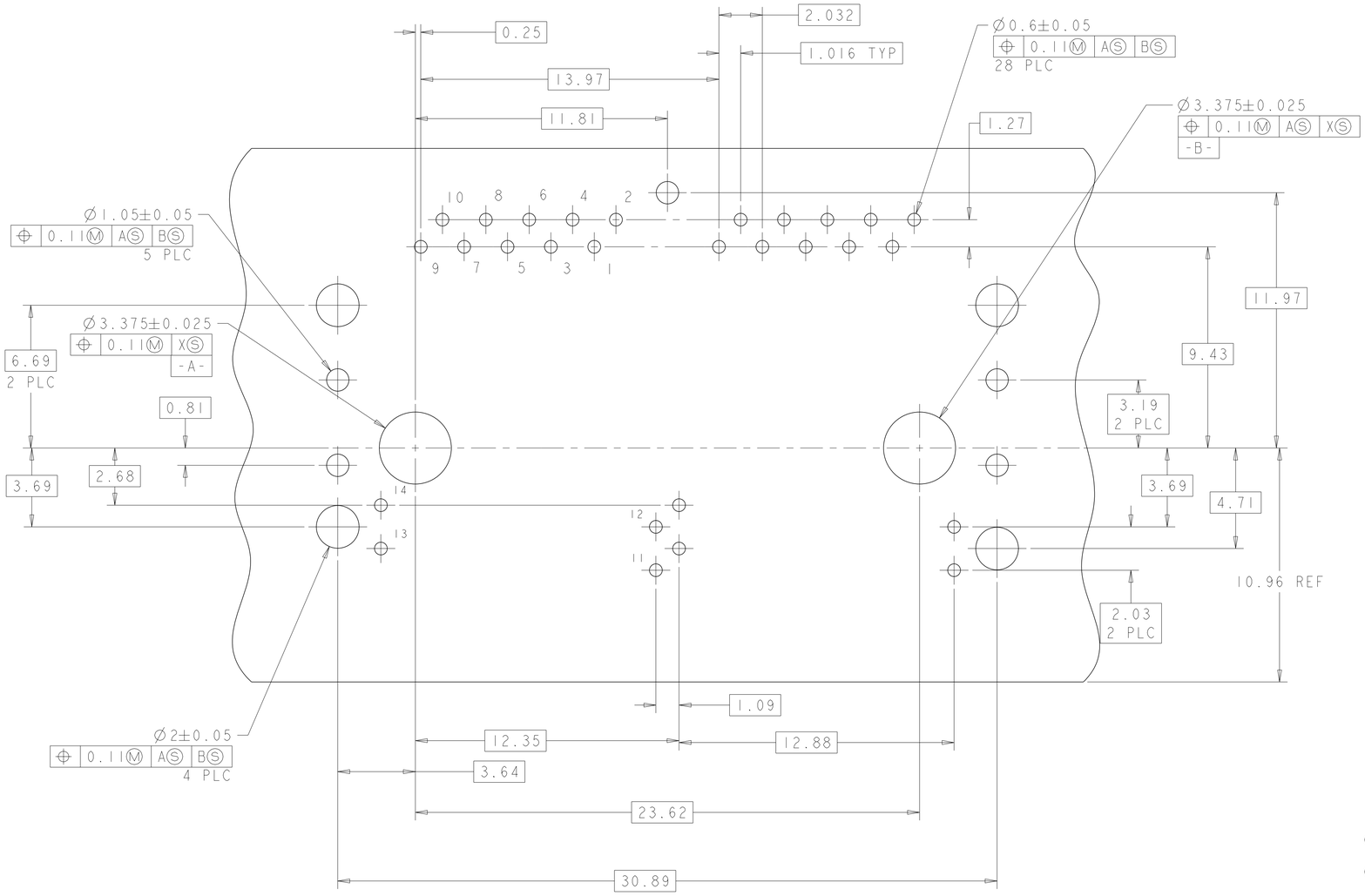
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	C-1840572		-

CUSTOMER DRAWING | SCALE 6:1 | SHEET 1 OF 3 | REV E

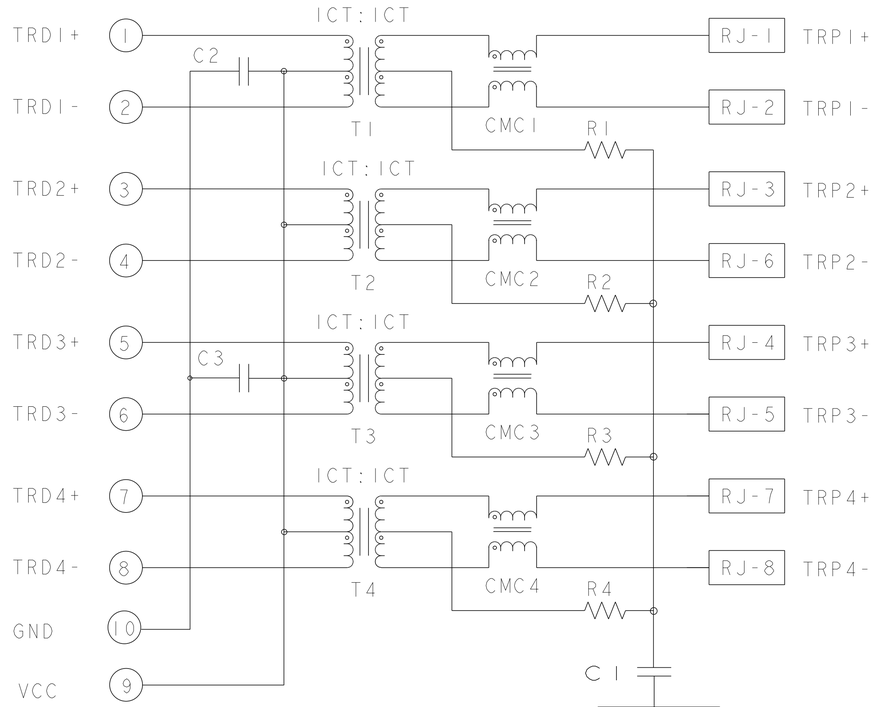
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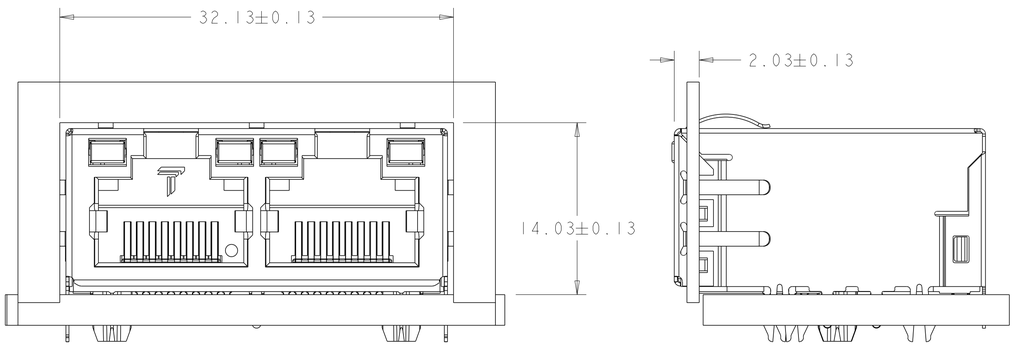
7G74P2 GIGABIT BASE-T CIRCUIT △3△4



C1=1000PF, 3KV, ±10%, X7R DECOUPLING CAP

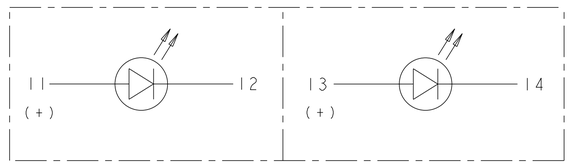
C2 -C3 = 100 nf CAPACITOR

R1-R4 = 75 OHMS, 1/16W, ±5% RESISTORS

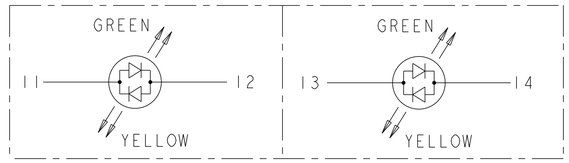


SUGGESTED PANEL OPENING

SINGLE COLOR LED



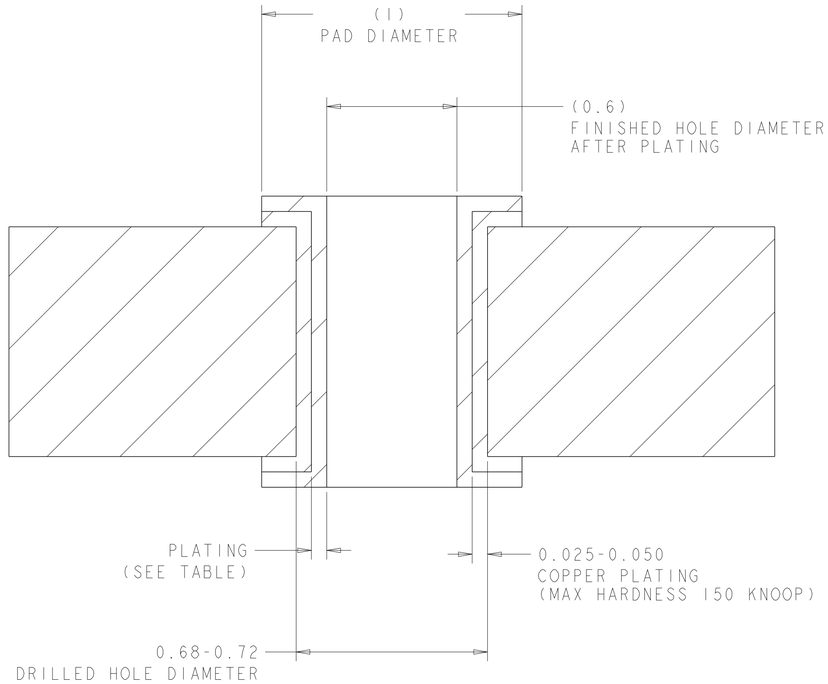
BI-COLOR LED



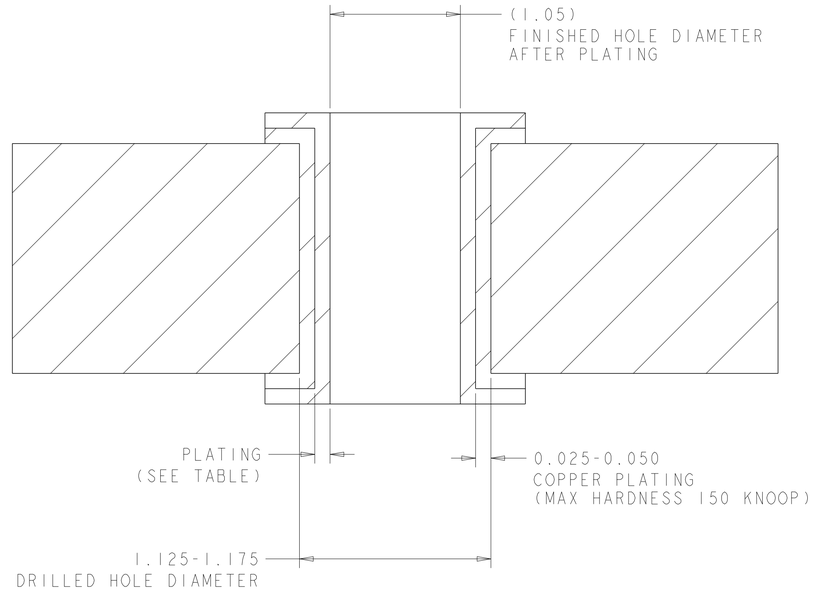
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN TOWER YU 04SEP2009	trp CONNECTOR a bel group	DONGGUAN CHINA
DIMENSIONS: mm	CHK KEITH ZHU 04SEP2009	DESC	1X2 7G74P2 GIGABIT TAB UP PRESSFIT W/ LED
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25, 1 PLC ±0.25, 2 PLC ±0.25, 3 PLC ±-, 4 PLC ±-, ANGLES ±-	APVD KEITH ZHU 04SEP2009	MODEL NAME MAGJACK GANG NON-POE	SIZE A1 / CAGE CODE / DRAWING NO C-1840572 / RESTRICTED TO -
PRODUCT SPEC 108-104013	APPLICATION SPEC -	CUSTOMER DRAWING	SCALE 4:1 / SHEET 2 OF 3 / REV E

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RECOMMENDED HOLE DIMENSIONS
FOR SIGNAL CONTACTS



RECOMMENDED HOLE DIMENSIONS
FOR SHIELD CONTACTS

THICKNESS	PLATING
0.004-0.010	HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (Sn Pb)
0.0005-0.001	IMMERSION TIN (Sn)
0.0002-0.0005	ORGANIC SOLDERABILITY PRESERVATIVE (OSP)
0.0001-0.0005 Au, 0.004-0.0076 Ni	IMMERSION GOLD (Au) OVER NICKEL (Ni) (ENIG)
0.010-0.025	TIN LEAD PLATING (Sn Pb)
0.0001-0.00015	IMMERSION SILVER (Ag)

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DIMENSIONS: mm

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

PRODUCT SPEC 108-104013

APPLICATION SPEC -

DWN TOWER YU 04SEP2009
CHK KEITH ZHU 04SEP2009
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MODEL NAME: MAGJACK GANG NON-POE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 1X2 7G74P2 GIGABIT TAB UP PRESSFIT W/ LED

SIZE A1 | CAGE CODE | DRAWING NO C-1840572 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 1:1 | SHEET 3 OF 3 | REV E

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