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7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	D	EC-1411035 COMPANY LOGO CHANGE	12JAN2015	TL	KZ

MECHANICAL:

Pin Designations

ELECTRICAL:

4G05ETP1 Series GIGABIT Magnetic Circuit

Suggested PCB Layout
(Component Side)

Suggested Panel Cutout

MATERIALS:

HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.

SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.

MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.

LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80uINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100uINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

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

MAGNETICS

-APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMPERATURE

-IMPEDANCE: 100 OHMS

-TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS

-OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°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: COMPLIES WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM a or b.

4. OPERATING TEMPERATURE: FROM -40°C TO +85°C

LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 568 nm TYP. at IF=20mA

FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA

DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP. at IF=20mA

FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA

THE MAGNETICS ARE SYMMETRIC, AND SUPPORT AUTO-MDI/MDIX.

TRP CONNECTOR LOGO,TE CONNECTIVITY PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,PEAK WAVE SOLDERING TEMPERATURE IS 265 C MAX,10 SEC MAX.

.145±.010	GREEN/YELLOW	GREEN/YELLOW	2-1840408-6
.090±.010	GREEN/YELLOW	GREEN/YELLOW	1840408-6
DIMENSION A	LED1/5	LED2/5	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

PRODUCT SPEC

108-2100

APPLICATION SPEC

-

0 PLC ± -

1 PLC ± -

2 PLC ± .010

3 PLC ± .005

4 PLC ± -

ANGLES ± -

DWN CLOUD ZENG 29MAY2006

CHK MICHAEL ZHANG 29MAY2006

APVD TEDDY XIONG 29MAY2006

MODEL NAME

MAGJACK

SINGLE NON-POE

DESC

1X1 4G05ETP1 GIGABIT TAB DOWN W/ LED

SIZE

CAGE CODE

DRAWING NO

C=1840408

RESTRICTED TO

-

CUSTOMER DRAWING

SCALE

NTS

SHEET

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OF

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REV

D

trp CONNECTOR

DONGGUAN CHINA

TRP Connector

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