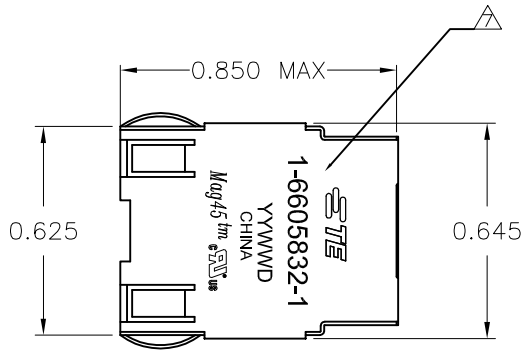
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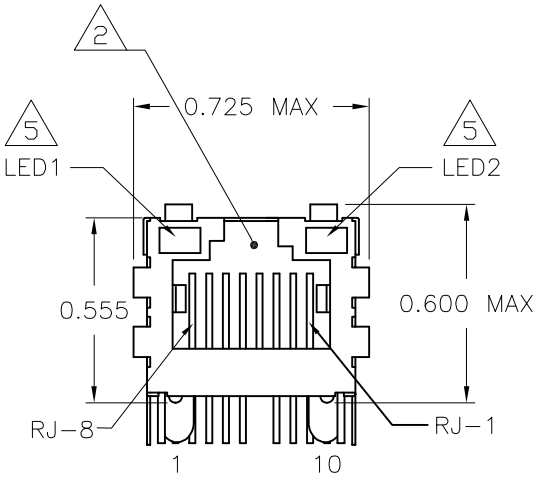
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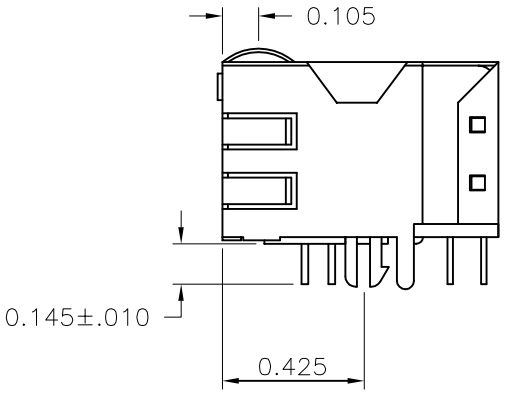
REVISIONS

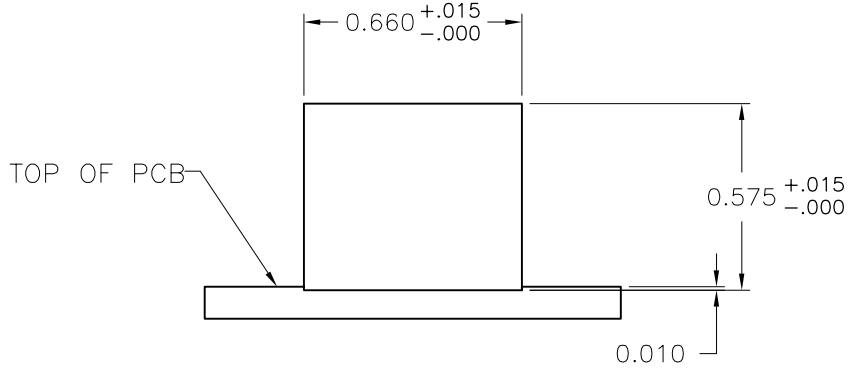
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B1	REVISED PER ECO-11-005140	25MAR11	RK	HMR
	C	ECO-11-013901	30MAY2011	EL	LR

MECHANICAL:









1. MATERIALS:
-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
-SHIELD - 0.010" THICK, C26800 BRASS PREPLATED WITH 30µINCH MIN 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. SOLDERTAILS WITH 100µINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.

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

3. MAGNETICS
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350µH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
-POE CURRENT: 350mADC MAX
-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
33-20*LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE:1500VAC (MAX) AT 60Hz FOR 60 SECS.

4. OPERATING TEMPERATURE: FROM 0° - +70°

5. LEDS WITH BUILT-IN RESISTOR
LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V

6. INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRIC TO SUPPORT AUTO-MDI/MDIX.

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

8. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX.

GREEN	GREEN	1-6605832-1
LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± .01
3 PLC ± .005
4 PLC ± -
ANGLES ± -

MATERIAL 1

FINISH 1

DWN L. VARELA - DOCK5 04MAR2005
CHK D. FAROLE 04MAR2005
APVD D. FAROLE 04MAR2005
PRODUCT SPEC 108-2100
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME 1x1, MAG45(TM), 10/100, 7V15 CIRCUIT, TAB UP, W RESISTOR LED, NO CAPACITOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-6605832	-

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 2 | REV C

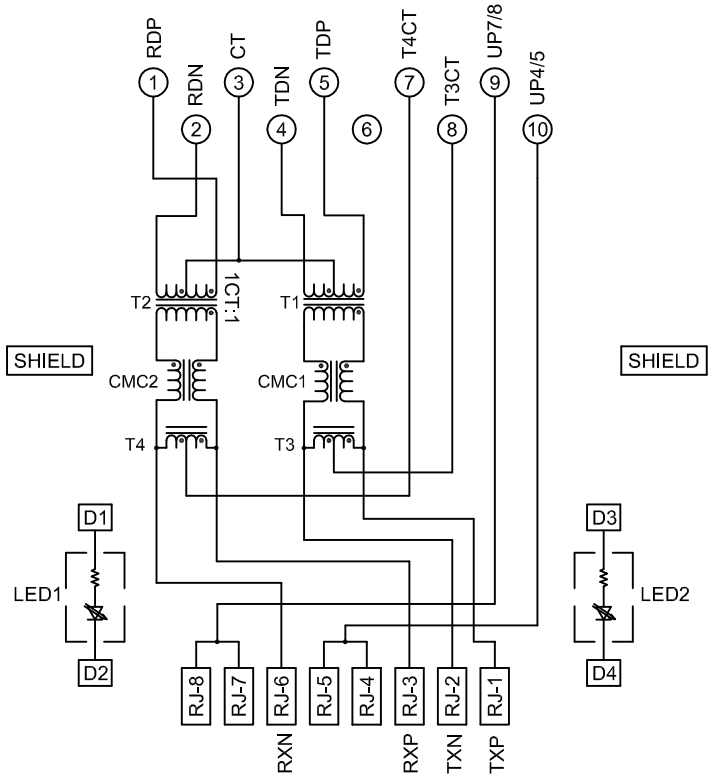
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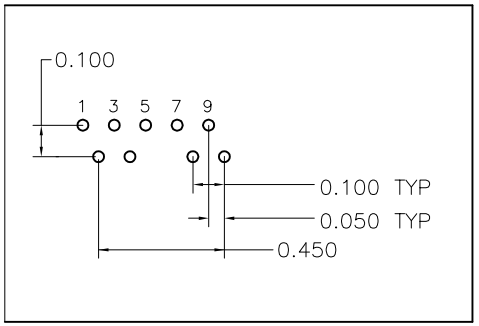
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AA	22

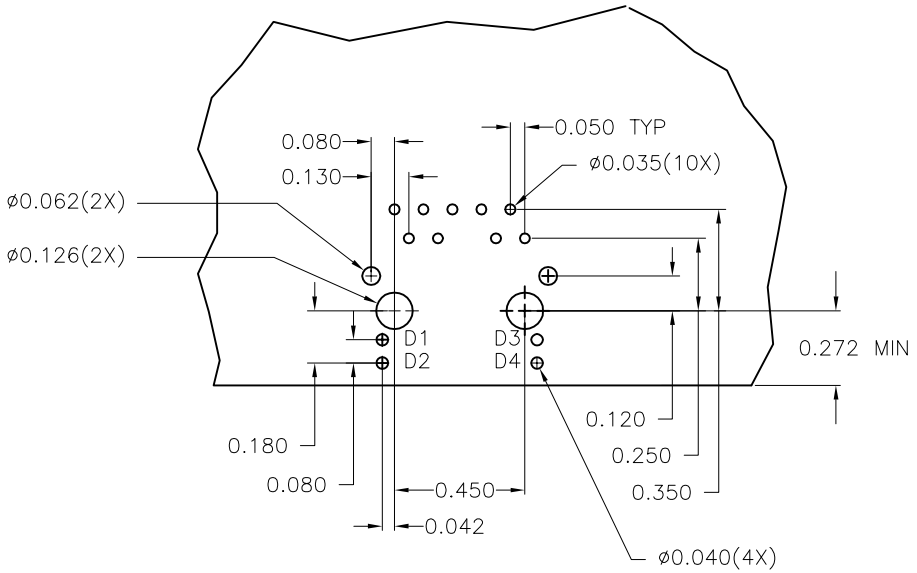
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

7V15 Magnetic CIRCUIT △3△6







Suggested Footprint

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± .01
3 PLC ± .005
4 PLC ± -
ANGLES ± -

MATERIAL -
FINISH -

DWN L. VARELA – DOCK5 04MAR2005
CHK D. FAROLE 04MAR2005
APVD D. FAROLE 04MAR2005
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

TE Connectivity

NAME 1x1, MAG45(TM), 10/100, 7V15 CIRCUIT, TAB UP, W RESISTOR LED, NO CAPACITOR –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-6605832	–

CUSTOMER DRAWING | SCALE NTS | SHEET 2 OF 2 | REV C

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2-292161-3 2005330-1 3430B2F51RTDF MPT100C18RF 2377783-2 RH73H2A40MKTN 1-962915-1 1903112-2 2834055-1 SBCHE154R7K SBCHE64R7K 936348-1 SMW73R0JT 1-794222-0 141991-2 3631B101LL 917696-1 TE50BR39J 1393431-1 1743455-2 175977-2 1969656-1 CPF0402B37K4E1 U5254-000005-030PA 2380312-2 3-1393225-0 ROX05SJ18R 2310537-1 650075-000 CRGCQ2010J3K3