PATENTED:
THIS PRODUCT IS COVERED BY U.S. PATENT 5,736,910

COMPONENTS FOR A CONNECTED PLANET®

DOCUMENT / PART NO.: SI-62003-F

TITLE : 10/100BT , SHIELDED

ISSUE	DESCRIPTION OF CHANGE	REVIEWED BY	APPROVED BY	ECN#
A0	Change the mechanical drawing and use new format and production release	Bain Liu	Steve Weller	06380

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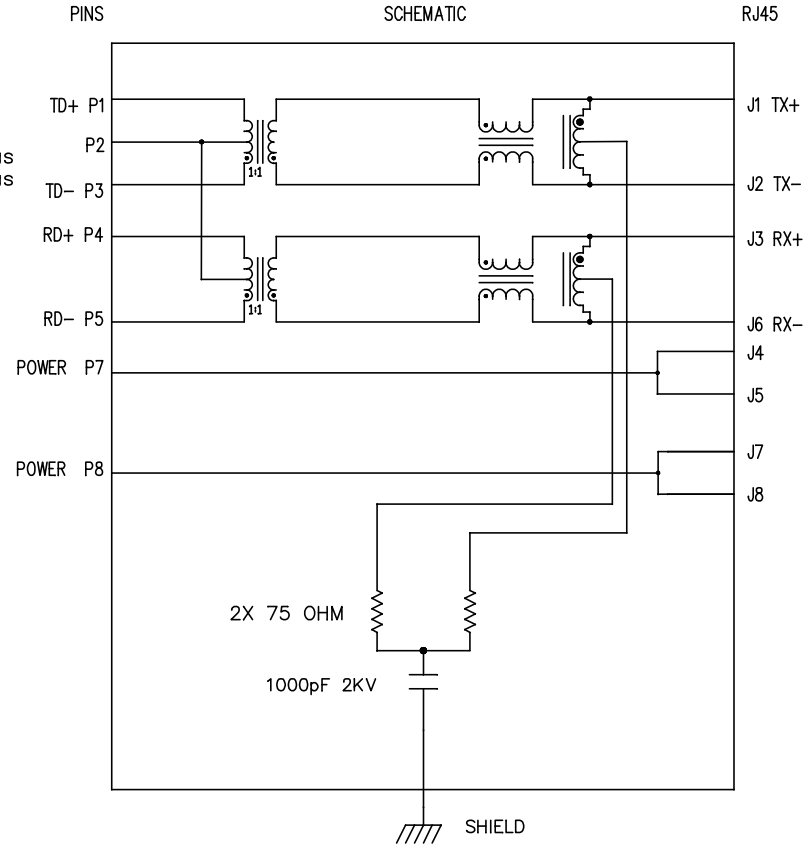
REV.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24-0028-F REV A0			

RoHS

ELECTRICAL SPECIFICATIONS:

CURRENT CAPABILITY:		: 350 mA
1.0 TURNS RATIO:	(P5–P2–P4) : (J6–J3)	: 1CT : 1 ±3%
	(P3–P2–P1) : (J2–J1)	: 1CT : 1 ±3%
2.0 INDUCTANCE:	(P5–P4)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P3–P1)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE:	P5–P4 (WITH J6 AND J3 SHORT)	: 0.3uH MAX. @ 1MHz
	P3–P1 (WITH J2 AND J1 SHORT)	: 0.3uH MAX. @ 1MHz
4.0 INTERWINDING CAPACITANCE:	(P5,P2,P4) TO (J6,J3)	: 40pF MAX @ 1MHz
	(P3,P2,P1) TO (J2,J1)	: 40pF MAX @ 1MHz
5.0 DC RESISTANCE:	(J1–J2)	: 1.2 ohms Max.
	(J3–J6)	: 1.2 ohms Max.
6.0 RETURN LOSS:	1MHz TO 30MHz	: 18dB MIN.
	60MHz TO 80MHz	: 12dB MIN.
7.0 DIELECTRIC WITHSTAND:	(J1, J2) TO (P1, P3)	: 1500 VAC
	(J3, J6) TO (P4, P5)	: 1500 VAC
8.0 INSERTION LOSS: 100KHz TO 100MHz		: 1.1 dB TYP
9.0 RISE TIME: OUTPUT VOLTAGE = 1 V peak		: 3.0 nS MAX
PULSE WIDTH= 112nS		: 3.0 nS MAX
10.0 CROSS TALK: 1MHz TO 100MHz		: 35 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION:1MHz TO 100MHz		: 35 dB TYP



NOTES 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY: Zeng Xiaochun	DATE: 2011-12-08	TITLE: MagJack® 10/100BT , SHIELDED PATENTED	PART NO. / DRAWING NO.: SI-62003-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.005	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: Duan Jun	DATE: 2011-12-08		FILE NAME: SI-62003-F.DWG		UNIT : INCH [mm] / REV. : A0
					SCALE : N/A / SIZE : A4
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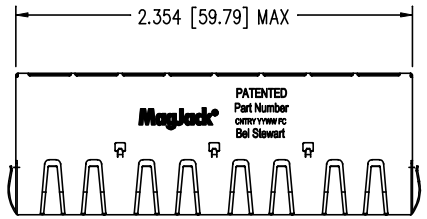
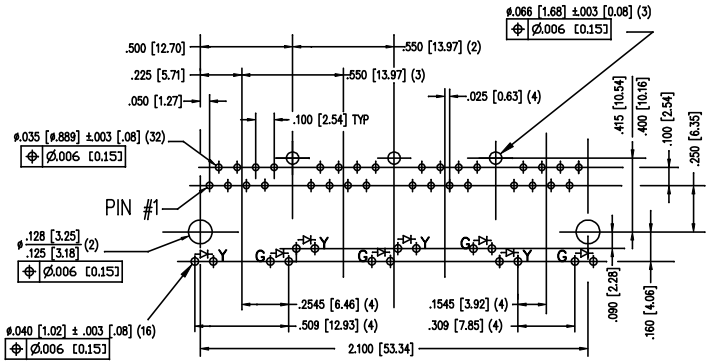
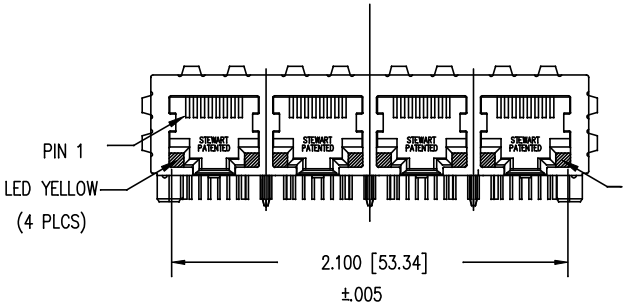
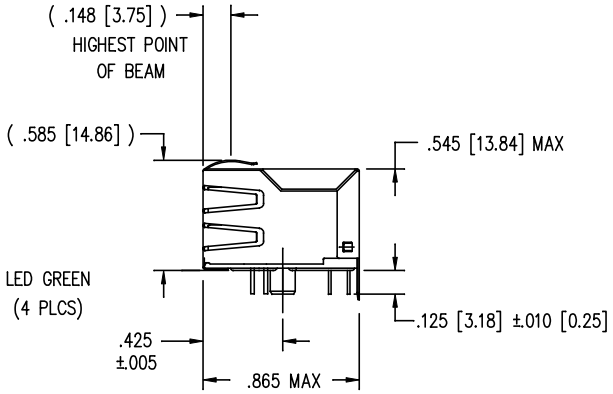




P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC





LED SPECIFICATIONS			
STANDARD LED	FORWARD VOLTAGE (MAX)	* FORWARD VOLTAGE (TYP)	WAVELENGTH
YELLOW	2.5 V	2.1 V	590 nm
GREEN	2.6 V	2.25 V	555 nm

* WITH A FORWARD CURRENT OF 20 mA (TYP)

NOTES:

1. CONNECTOR MATERIALS:
   HOUSING: THERMOPLASTIC UL94 V-0
   CONTACT/SHIELD: COPPER ALLOY
   SHIELD PLATING: NICKEL OR TIN
   CONTACT PLATING: 50 MICRO-INCH SELECTIVE HARD GOLD PLATING OR EQUIVALENT IN CONTACT AREA
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
5. WAVE SOLDER COMPATIBLE – PREHEAT 125° C/90SECS.

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Duan Jun	2011-12-08		SI-62003-F.DWG	.XXX ±0.005		PAGE : 3

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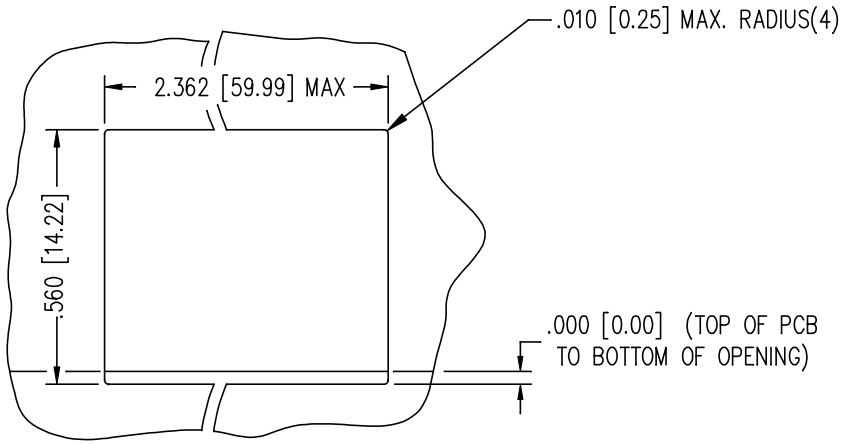

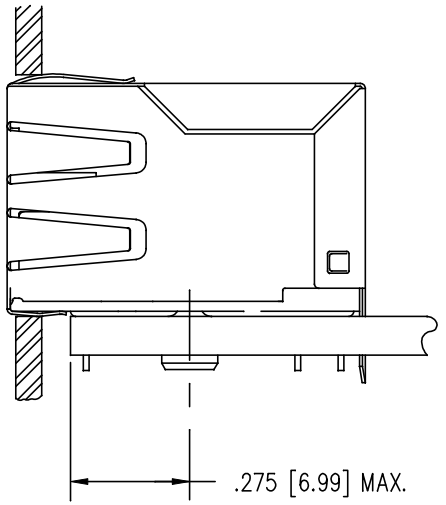

NOTES:

1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE USER THE ABILITY TO HAVE REASONABLE JACK/PANEL CLEARANCES, YET MAINTAIN GROUNDING CAPABILITY. THESE VARIABLES CAN BE ADJUSTED IN EITHER DIRECTION BUT MAY CARRY SOME CONSEQUENCES IN THE FORM OF LOWER MATING FORCES OR TIGHTER ASSEMBLY TOLERANCES.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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