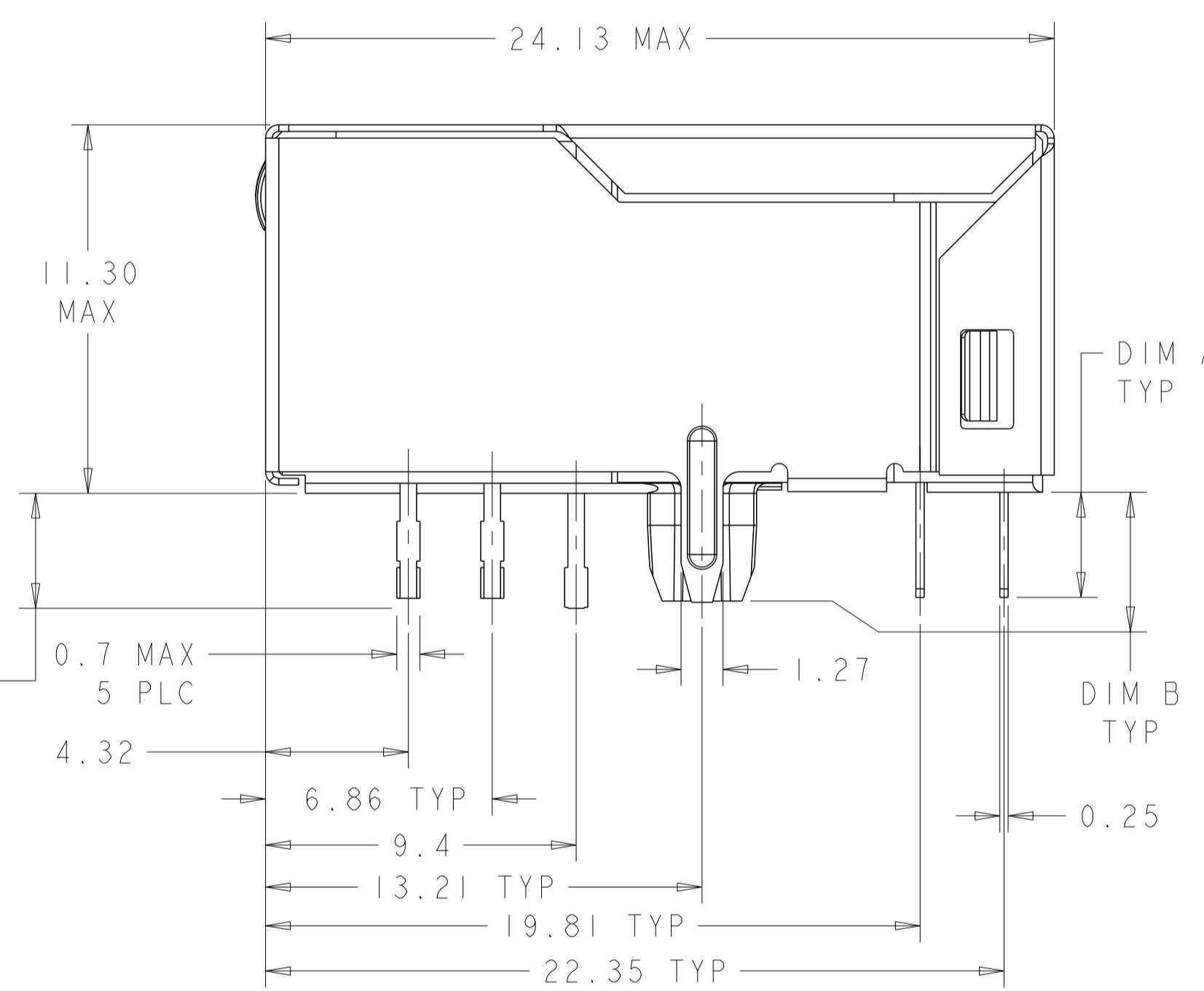
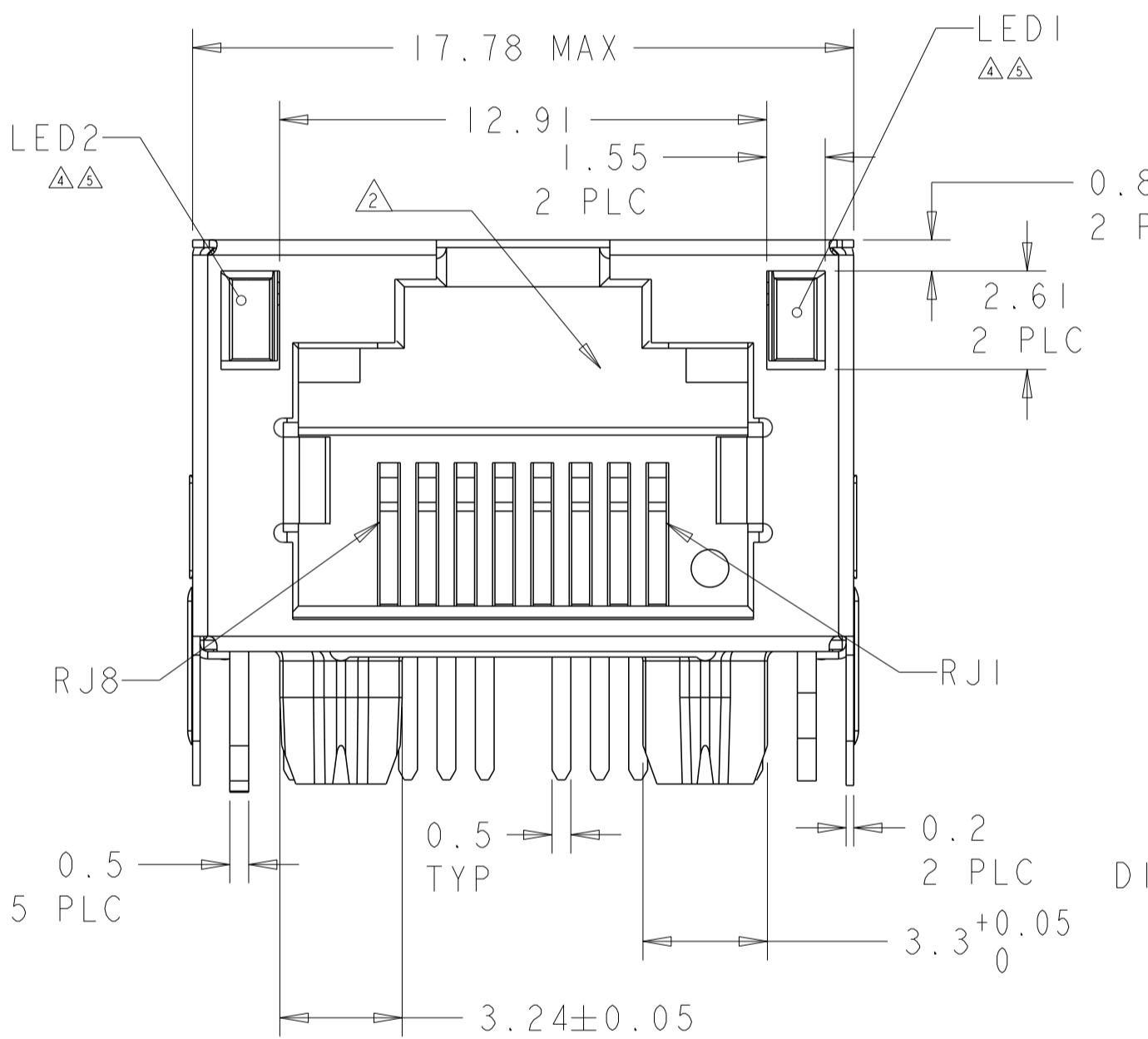
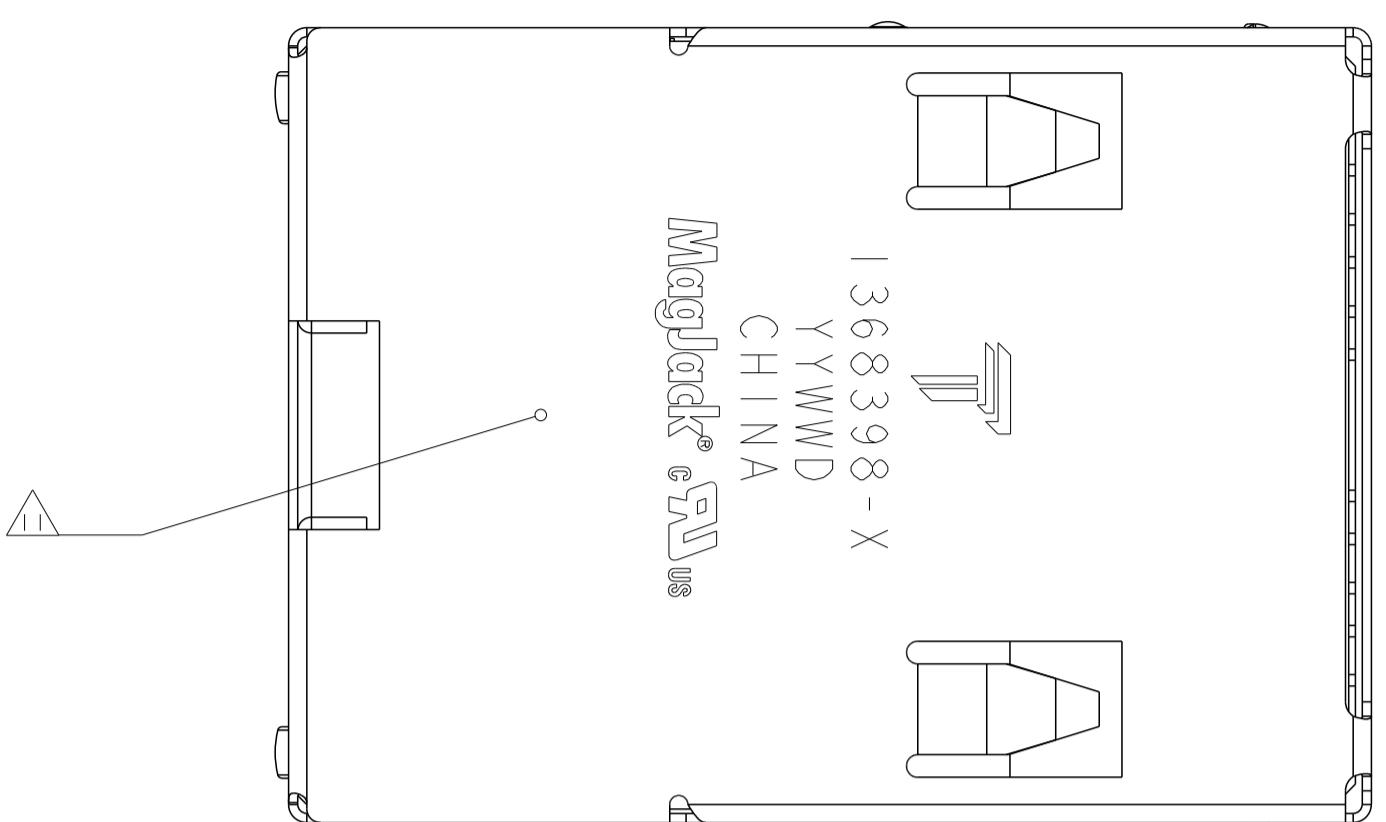
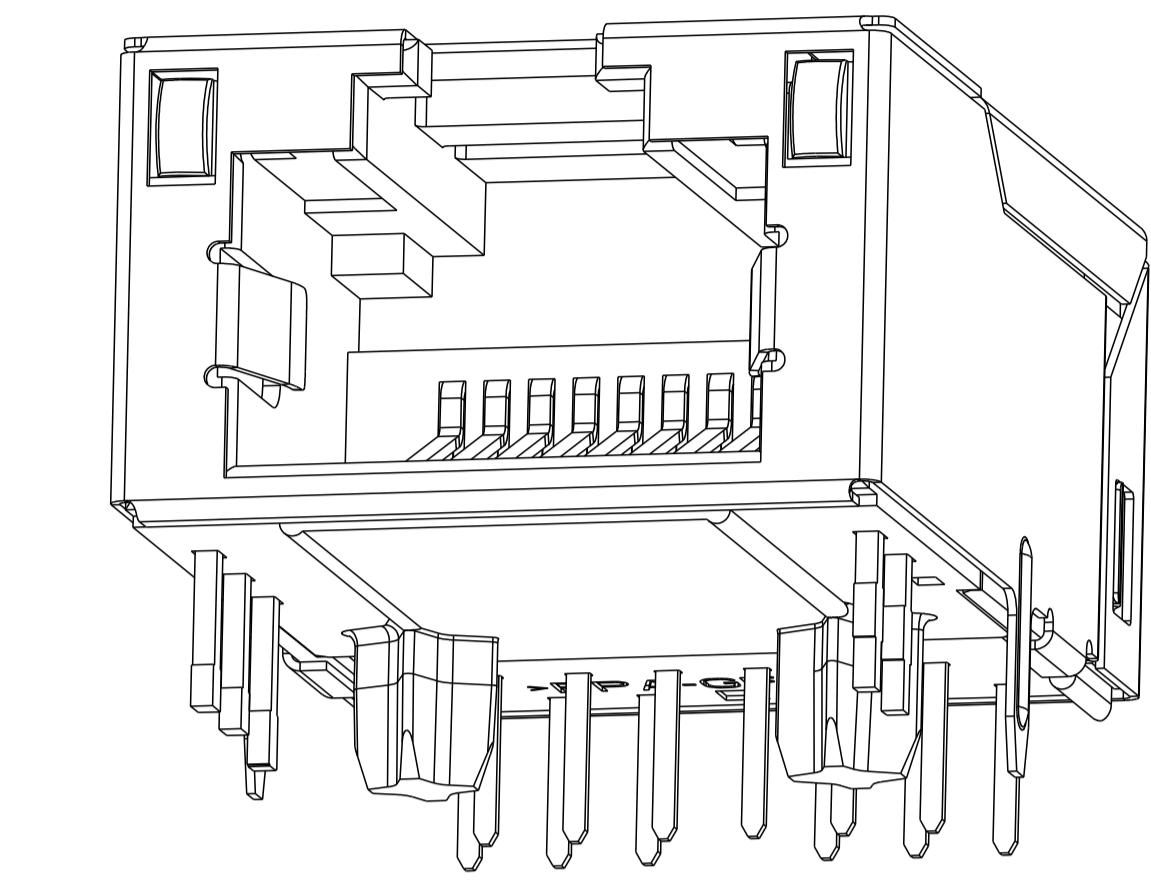


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MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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	DNW	APVD
R		EC-1306021	24JUN2013	TY	KZ
S		REVISED PER EC-1409018	22SEP2014	TYR	TYN
T		EC-1411035 COMPANY LOGO CHANGE	23DEC2014	TYR	TYN



BOTH	TRAY	0.76um	YELLOW	GREEN/ORANGE	YES	TOP AND SIDES	1.8	1.8	2-1368398-3
WAVE	TRAY	0.76um	GREEN/YELLOW	GREEN	YES	NO	3.3	3.18	1-1368398-6
WAVE	TRAY	0.76um	YELLOW	GREEN/ORANGE	YES	TOP AND SIDES	1.8	1.8	1-1368398-3
WAVE	TRAY	1.27um	YELLOW	GREEN/ORANGE	NO	TOP AND SIDES	3.3	3.18	1368398-8
WAVE	TRAY	0.76um	GREEN	GREEN/ORANGE	YES	TOP AND SIDES	3.3	3.18	1368398-7
WAVE	TRAY	0.76um	YELLOW	GREEN/ORANGE	NO	TOP ONLY	3.3	3.18	1368398-6
BOTH	TAPE & REEL	0.76um	YELLOW	GREEN/ORANGE	YES	NO	1.8	1.8	1368398-5
WAVE	TRAY	0.76um	YELLOW	GREEN/ORANGE	YES	TOP AND SIDES	3.3	3.18	1368398-4
BOTH	TAPE & REEL	0.76um	YELLOW	GREEN/ORANGE	YES	TOP AND SIDES	1.8	1.8	1368398-3
BOTH	TAPE & REEL	0.76um	YELLOW	GREEN/ORANGE	YES	TOP ONLY	1.8	1.8	1368398-2
WAVE	TRAY	0.76um	YELLOW	GREEN/ORANGE	NO	NO	3.3	3.18	1368398-1
SOLDER PROCESS	PACKAGE METHOD	GOLD PLATING THICKNESS	LED 1	LED 2	RJ11 SELECTIVE CAPABILITY	GROUND TABS	DIM B	DIM A	PART NO.

1. MATERIALS:

- HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
- SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 1.27 $\mu$ m MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2 $\mu$ m MIN SAC ALLOY LEAD FREE SOLDER
- CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27  $\mu$ m MIN OVERALL NICKEL UNDERPLATE, 3 $\mu$ m MIN TIN PLATE
- MOD JACK CONTACTS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27  $\mu$ m MIN OVERALL NICKEL UNDERPLATE, WITH 0.76 $\mu$ m OR 1.27 $\mu$ m MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
- LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03 $\mu$ m MIN. SILVER PLATE OVER 1.02 $\mu$ m MIN. NICKEL OVER 1.02 $\mu$ m MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05 $\mu$ m MIN. MATTE TIN.
- LIGHT PIPE: POLYCARBONATE

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

3. MAGNETICS:

- IMPEDANCE: 100 OHMS
- TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 350 $\mu$ H (MIN) @100KHz, 0.1 VRMS WITH 8 mA DC BIAS.
- TURNS RATIO (CHIP:CABLE): TX 1:1, RX: 1:1

4. PERFORMANCE:

- TRANSMIT BIDIRECTIONAL ALL 4 PAIRS
- RECEIVE BIDIRECTIONAL ALL 4 PAIRS

FREQUENCY	INSERTION LOSS (dB MAX)	RETURN LOSS (dB MIN) CIRCUIT IMPEDANCE = 100 OHMS $\pm$ 15%	COMMON MODE REJECTION RATIO (dB MIN)	CROSSTALK ATTENUATION (dB MIN)
0.5 MHz-40.0 MHz	1.2	18.0	30	35
40.0 MHz-100.0 MHz		12-20 log(f/80) f IS FREQUENCY IN MHZ		33-20 log(f/50) f IS FREQUENCY IN MHZ

ALL MAGNETIC ELECTRICAL CHARACTERISTICS RATED @ 25°C

5. DIELECTRIC (ISOLATION VOLTAGE):

- 2250 VDC (1 mA CUTOFF CURRENT) FOR 60 SECONDS DURATION BETWEEN CABLE CONTACTS AND PCB CONTACTS (INCLUDING SHIELD).
- 1500 VRMS (10 mA CUTOFF CURRENT) FOR 60 SECONDS DURATION BETWEEN CABLE CONTACTS AND PCB CONTACTS (INCLUDING SHIELD).
- ALL BRIDGED ON EITHER SIDE OF MAGNETICS PACKAGE FOR RJ-45 CONTACTS.

6. OPERATING TEMPERATURE: FROM 0°C TO +70°C.

7. LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS. WHEN OPERATED UP TO 20mA.

8. LED PEAK WAVELENGTH: GREEN = 565 $\pm$ 5nm  
YELLOW = 591 $\pm$ 5nm  
ORANGE = 607 $\pm$ 5nm

9. LED 2 WILL EMULATE "YELLOW" LIGHT WHEN BOTH GREEN AND ORANGE DIODES ARE DRIVEN AT CONSTANT CURRENT (20 mA RECOMMENDED) TO INDICATE THE THIRD COLOR STATES.

10. ALL DIMENSIONS NOMINAL UNLESS OTHERWISE NOTED.

11. 1368398-1 SHOWN UNLESS OTHERWISE NOTED.

12. RJ45 MOD PLUG SELECTIVE - THIS CONNECTOR UTILIZES STAINLESS STEEL SPRING MEMBER WHICH PREVENTS THE INSERTION OF A RJII (6 POSITION) PLUG INTO THE JACK PORT, WHILE ALLOWING A RJ45 (8 POSITION) PLUG TO MATE FREELY.  
WARNING: THIS FEATURE WAS DEVELOPED FOR TYPICAL PLUG INSERTION FORCES.  
EXCESSIVE INSERTION FORCE MAY OVERCOME THE SELECTIVE FEATURES AND DAMAGE THE CONNECTOR.

13. APPLIES ONLY TO 1368398-3/4/7/8, 1-1368398-3 AND 2-1368398-3.

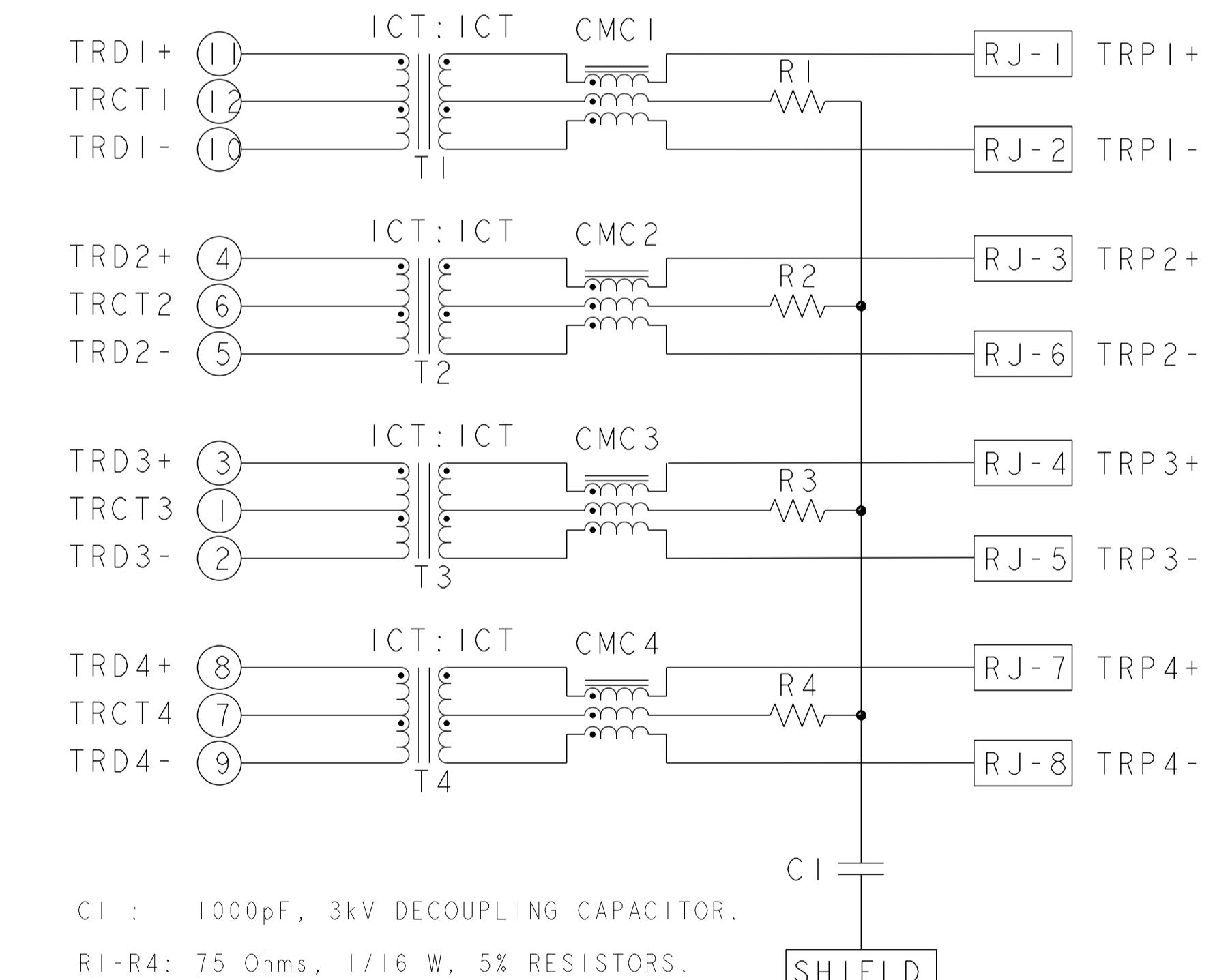
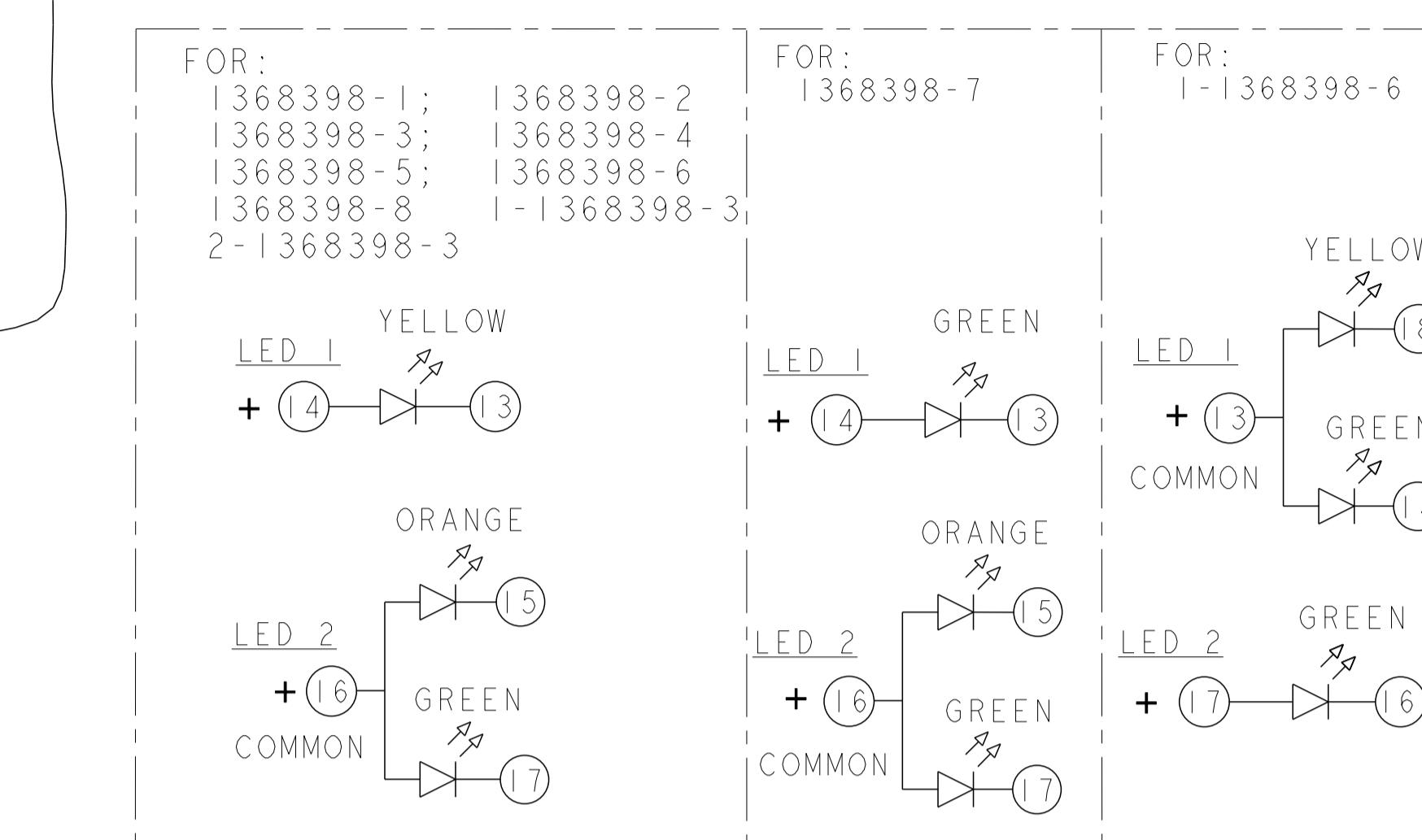
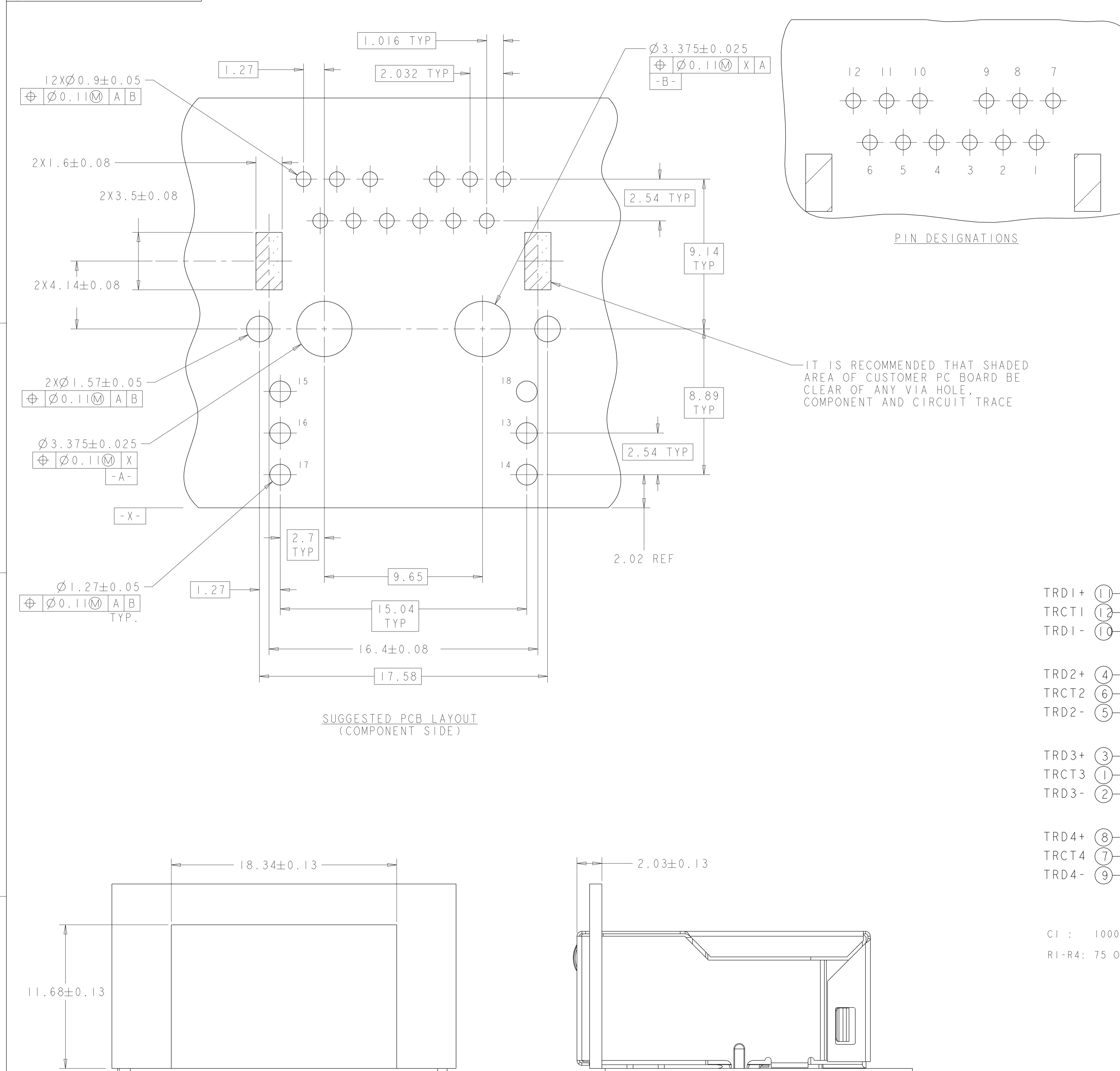
14. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, PLACE OF ORIGIN TO BE MARKED IN APPROXIMATE LOCATION AS SHOWN. DATE CODE: "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1

15. PART SHOULD BE COMPLIANT TO WAVE SOLDERING PROCESS ONLY, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

16. PART SHOULD BE COMPLIANT TO BOTH WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX, AND IR REFLOW SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE 260°C MAX, DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-60 SECONDS.

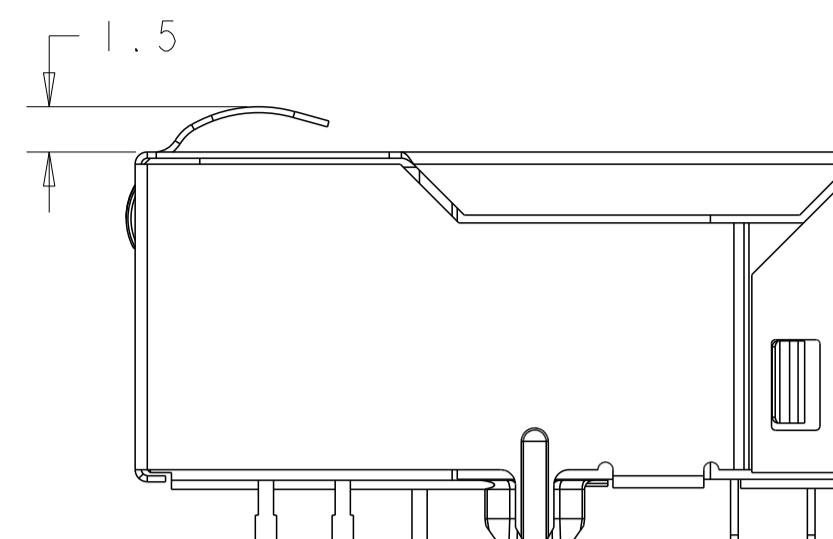
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWNR: ERIC BRIANT 15MAY2003
DIMENSIONS:	CHN: N REESER 9FEB2004
mm	APVD: N REESER 9FEB2004
0 PLC $\pm$ 0.25	MODEL NAME: MAGJACK
1 PLC $\pm$ 0.25	DESC: XI XI 1GIGABIT
2 PLC $\pm$ 0.25	TAB UP LOW PROFILE W/ LED
3 PLC $\pm$ 0.25	SIZE: A1
4 PLC $\pm$ 0.25	CAGE CODE: C-1368398
ANGLES: $\pm$ 10°	DRAWING NO: C-1368398
PRODUCT SPEC: 108-2207	RESTRICTED TO: -
APPLICATION SPEC: -	CUSTOMER DRAWING
	SCALE: 4:1
	REV: T
	1 OF 3

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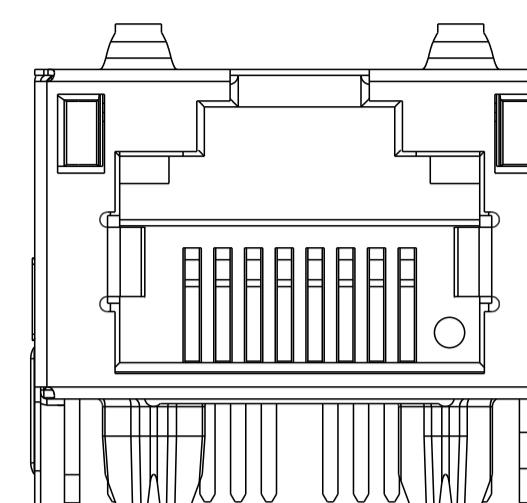


C1 : 1000pF, 3kV DECOUPLING CAPACITOR  
R1-R4: 75 Ohms, 1/16 W, 5% RESISTORS.

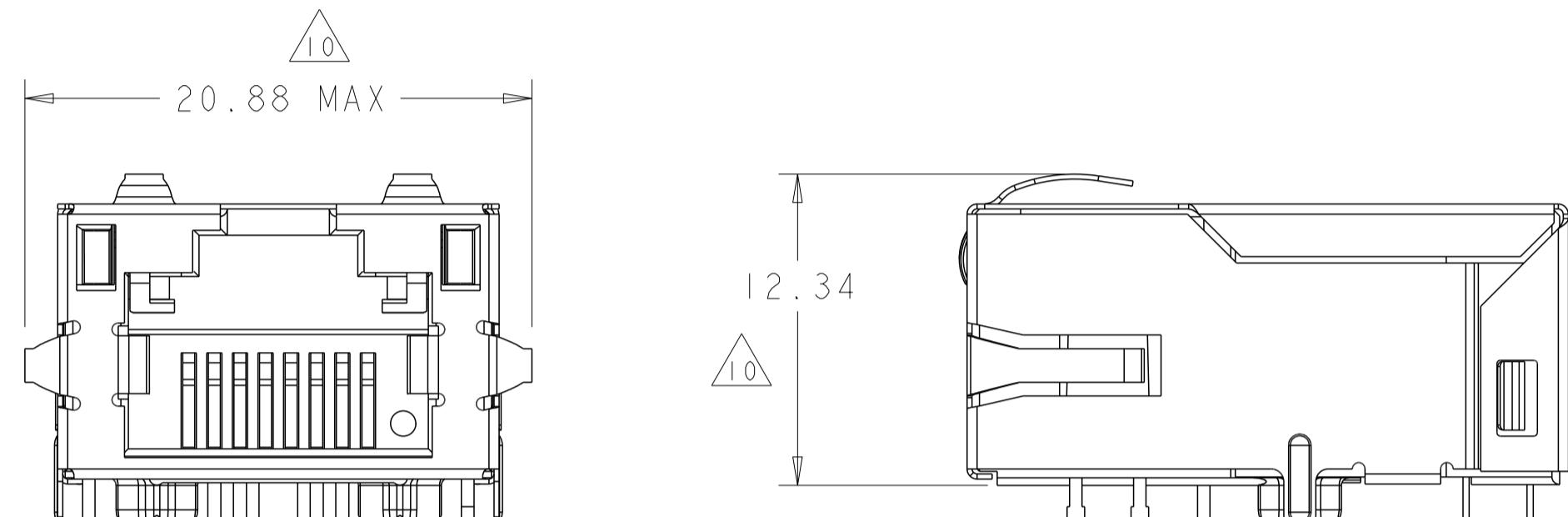
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ERIC BRIANT 15MAY2003	 <b>trp</b> <b>CONNECTOR</b> a bel group	<b>DONGGUAN</b> <b>CHINA</b>
DIMENSIONS:		CHK N. REESER 9FEB2004		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD N. REESER 9FEB2004		
	0 PLC $\pm 0.25$ 1 PLC $\pm 0.25$ 2 PLC $\pm 0.25$ 3 PLC $\pm -$ 4 PLC $\pm -$ ANGLES $\pm -$	MODEL NAME  MAGJACK  SINGLE NON-POE		
PRODUCT SPEC 108-2207		APPLICATION SPEC -	DESC  IXI 1G18 GIGABIT TAB UP LOW PROFILE W/ LED	
		SIZE A1	CAGE CODE C-1368398	DRAWING NO RESTRICTED
		CUSTOMER DRAWING		SCALE 1:1 SHEET 2 OF 2 REV T



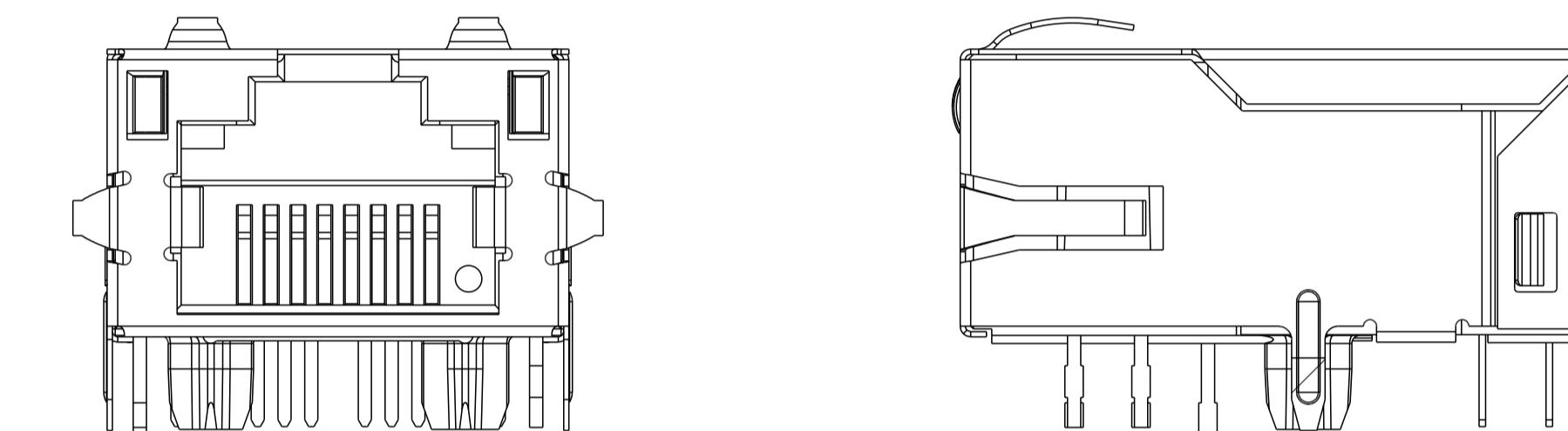
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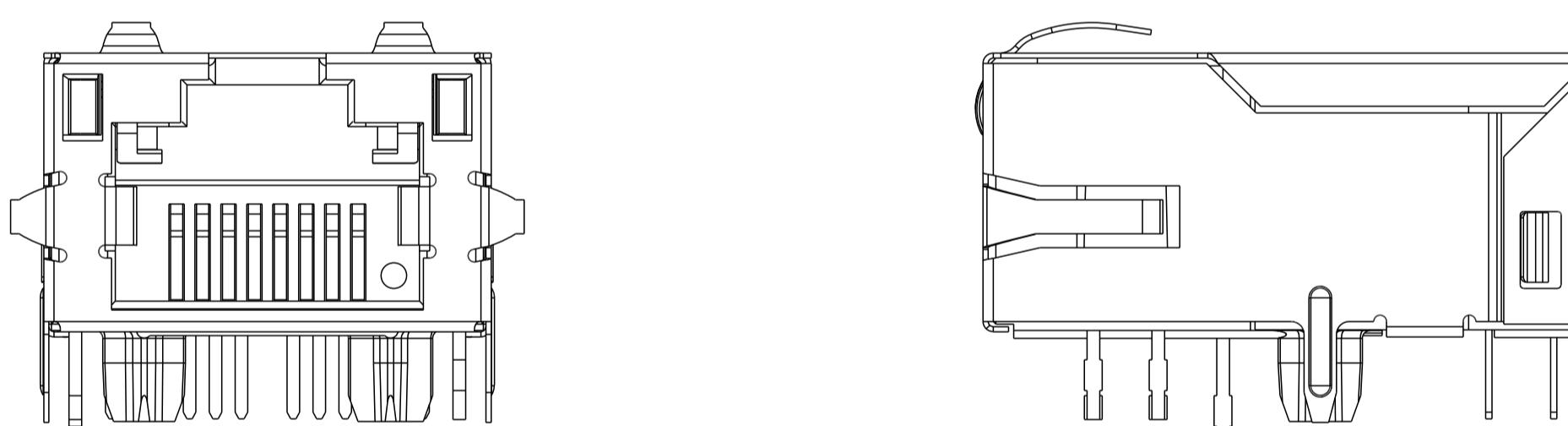
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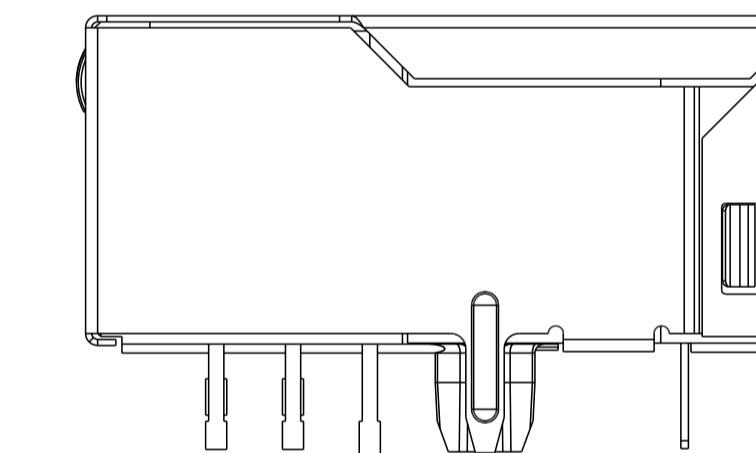
| 368398-3, | - | 368398-3, 2- | 368398-



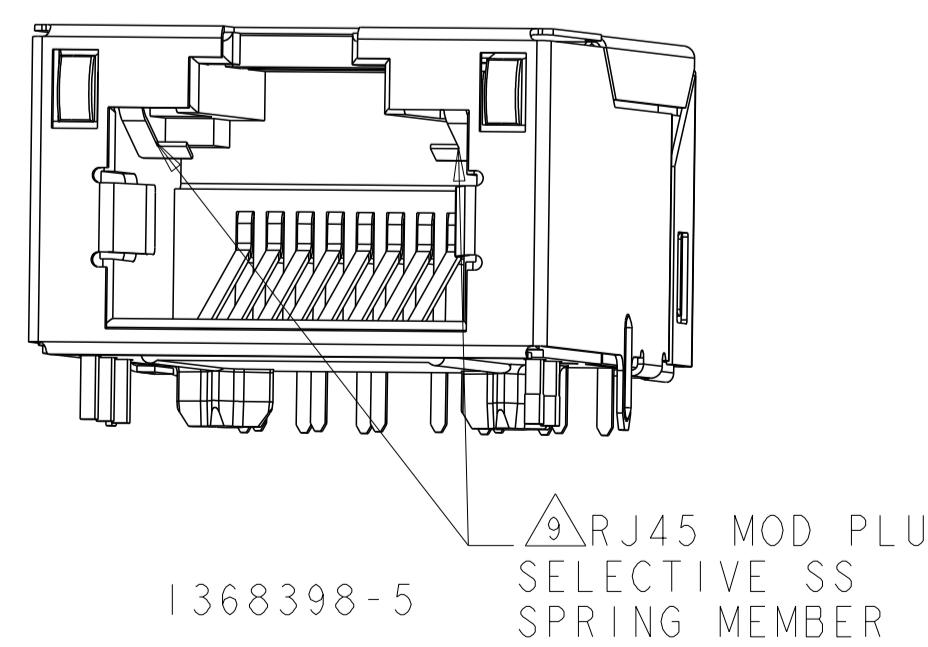
| 368398-8 (WITHOUT RJ || SELECTIVE SPRING MEMBER)



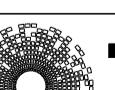
| 368398-4 & | 368398-



| - | 368398 - 6



1368398-5 9 RJ45 MOD PLU  
SELECTIVE SS  
SPRING MEMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ERIC BRIANT 15MAY2003	 <b>trp</b> <b>CONNECTOR</b> <i>a bel group</i>		
DIMENSIONS:		CHK N. REESER 9FEB2004			
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD N. REESER 9FEB2004			
	0 PLC $\pm 0.25$ 1 PLC $\pm 0.25$ 2 PLC $\pm 0.25$ 3 PLC $\pm$ 4 PLC $\pm$ ANGLES $\pm$	MODEL NAME  MAGJACK  SINGLE NON-POE			
PRODUCT SPEC 108-2207		DESC  IXI 1G18 GIGABIT TAB UP LOW PROFILE W/ LED			
APPLICATION SPEC -		SIZE A 1	CAGE CODE -	DRAWING NO C-1368398	RESTRICTED T
CUSTOMER DRAWING		SCALE 4:1	SHEET 2	OF 2	REV T

# Mouser Electronics

Authorized Distributor

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Bel:

[1368398-2](#) [1368398-4](#)