

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

LED 1 & 3 POLARITY			LED 2 & 4 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
+	-	GREEN	+	-	YELLOW

RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1

DCL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
-------------	------------

INS. LOSS

1MHz TO 100MHz	-1.5 dB MAX
----------------	-------------

RET. LOSS (MIN) @ 100OHMS ±15%

2MHz-30MHz	-16 dB MIN.
60MHz-80MHz	-10 dB MIN.

LEAKAGE INDUCTANCE

PRIMARY W/ SECONDARY SHORTED	0.30µH MAX. @ 1MHz
------------------------------	--------------------

INTERWINDING CAPACITANCE

PER CHANNEL (PRI. to SEC)	40 pF MAX.
---------------------------	------------

CROSS TALK

100kHz - 100MHz	-30 dB MIN.
-----------------	-------------

HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE:

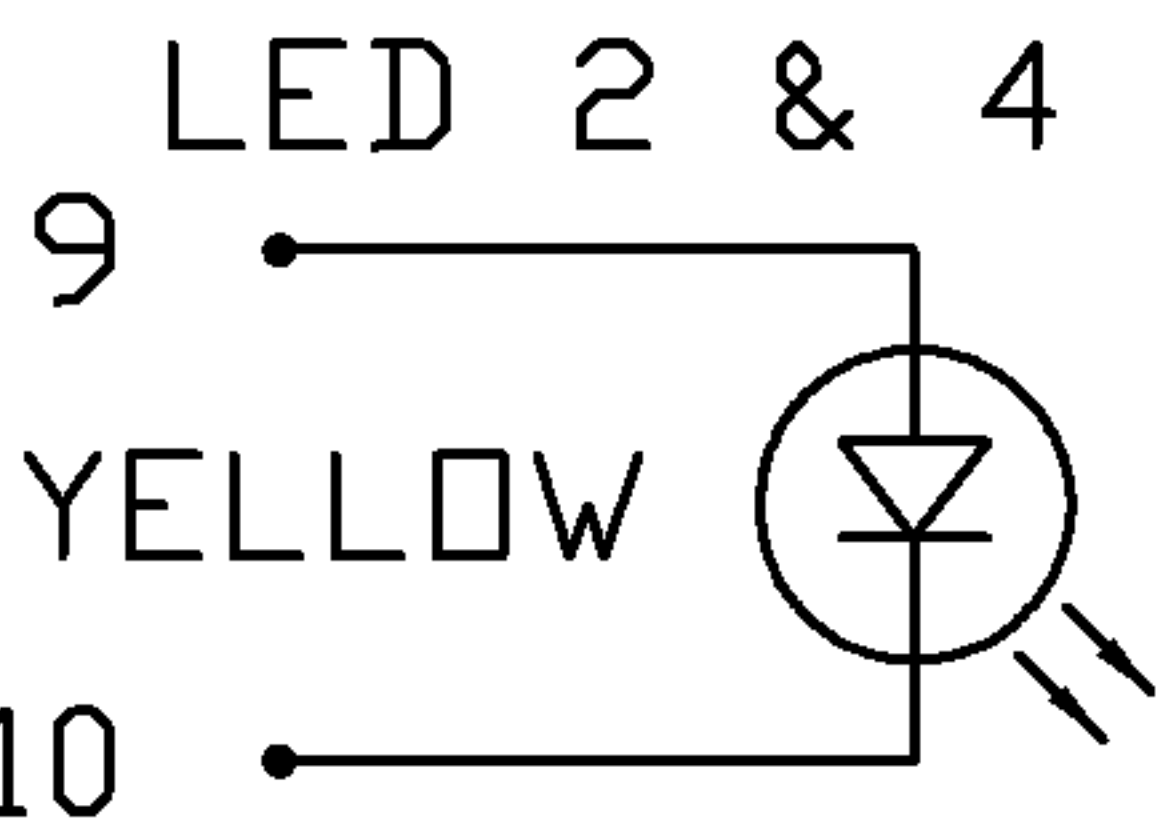
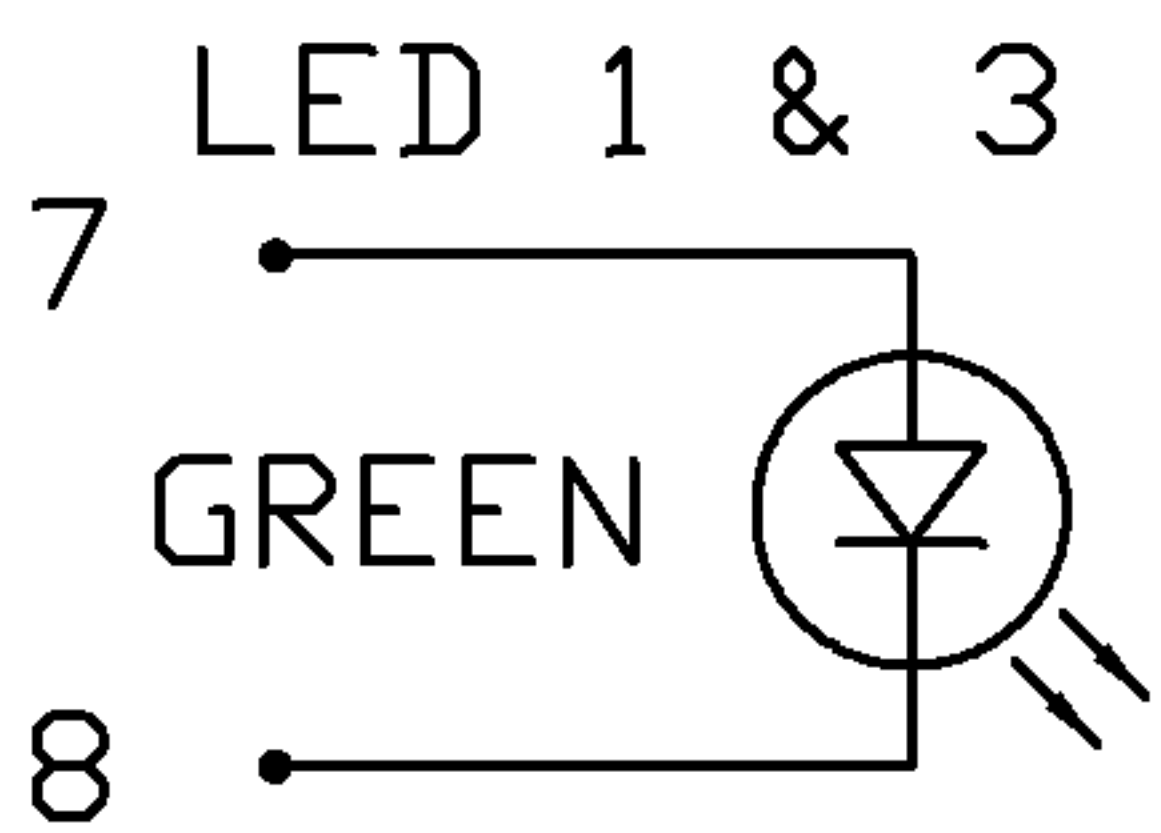
-40°C TO 85°C

LED 1 & 3

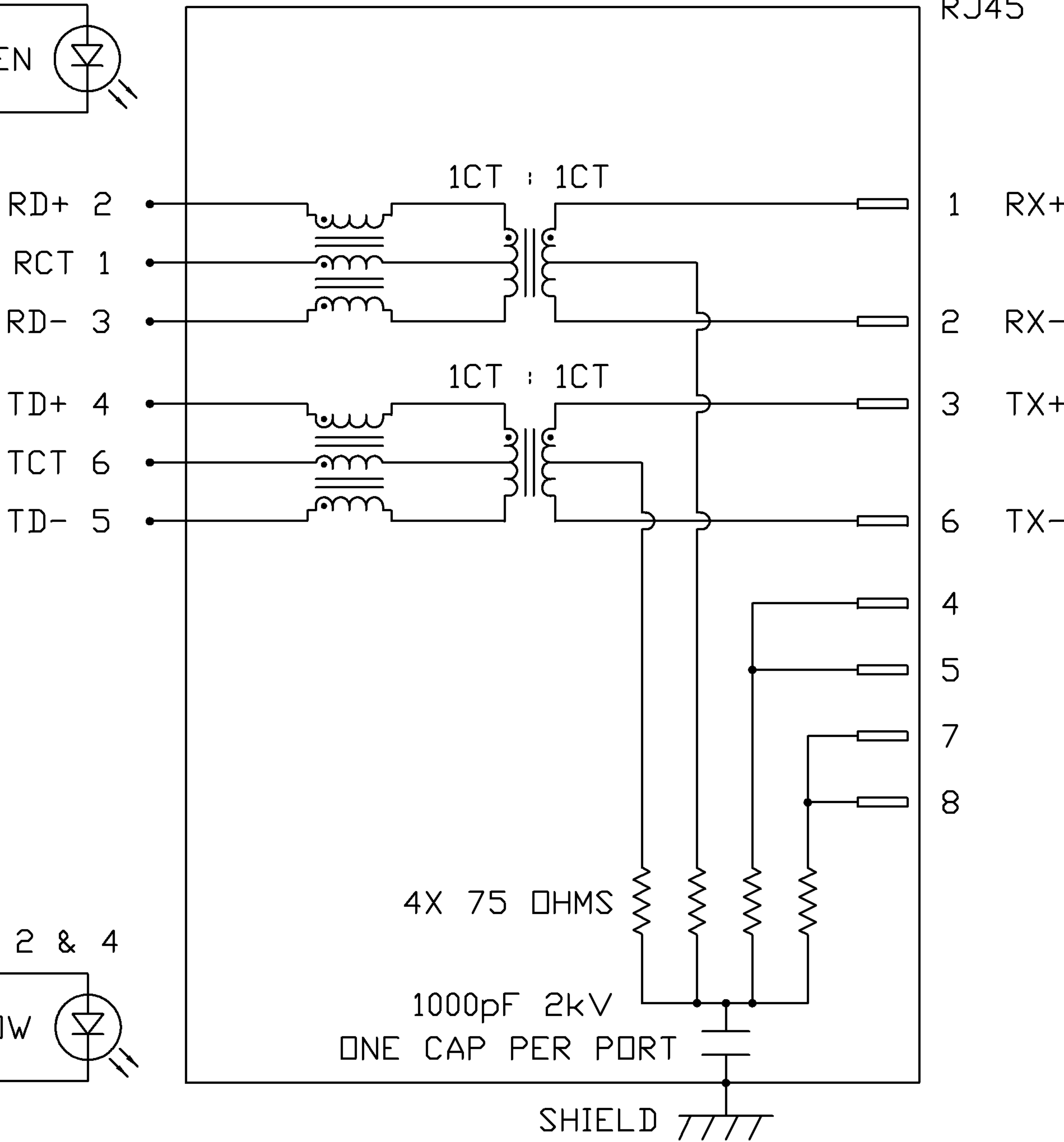
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

LED 2 & 4

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

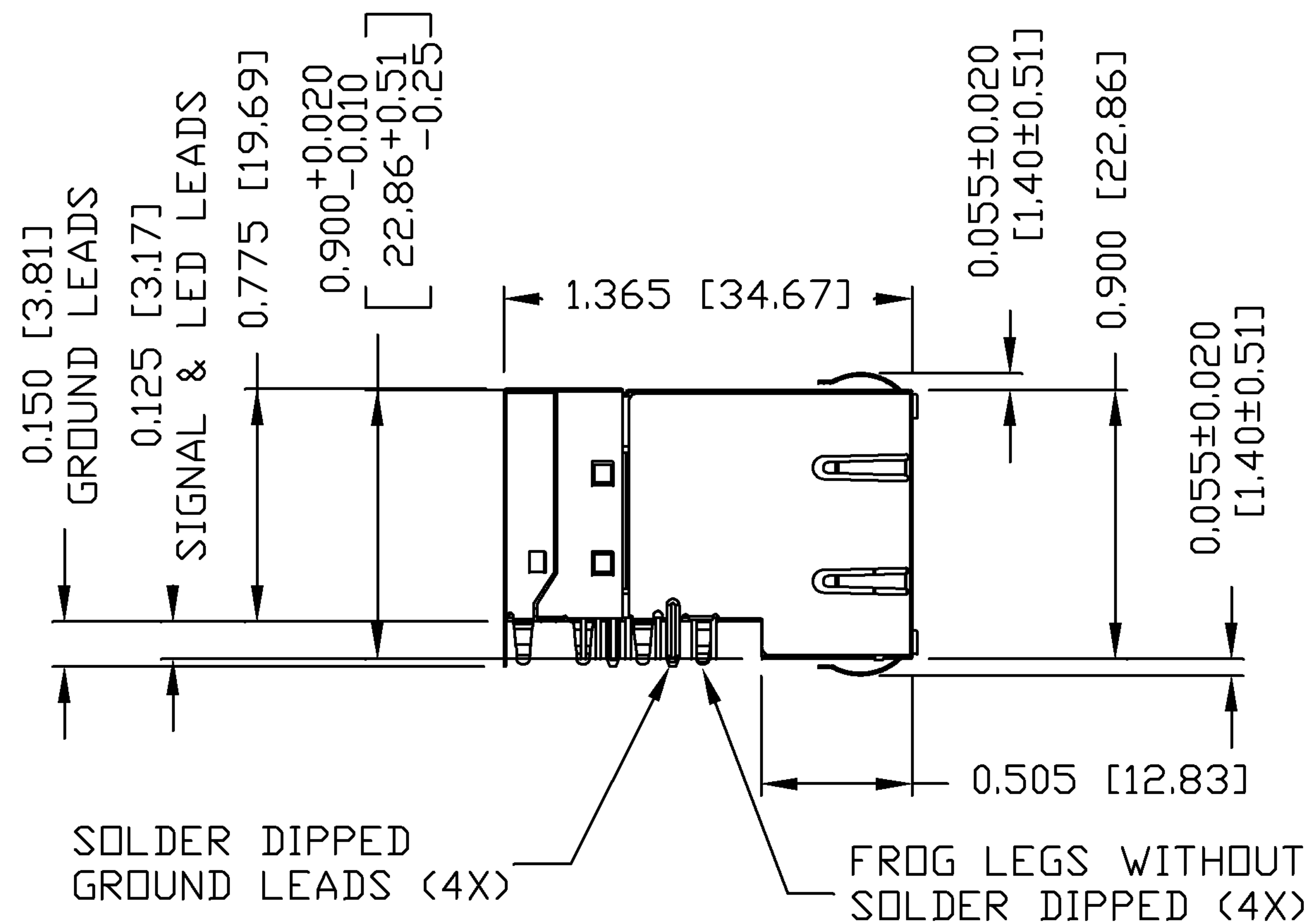
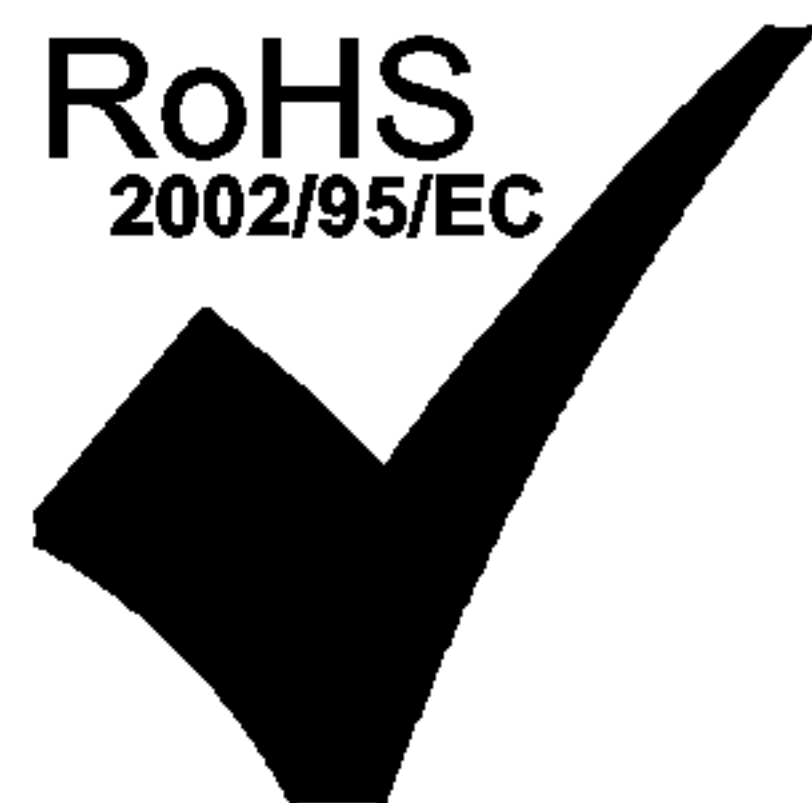


SCHEMATIC



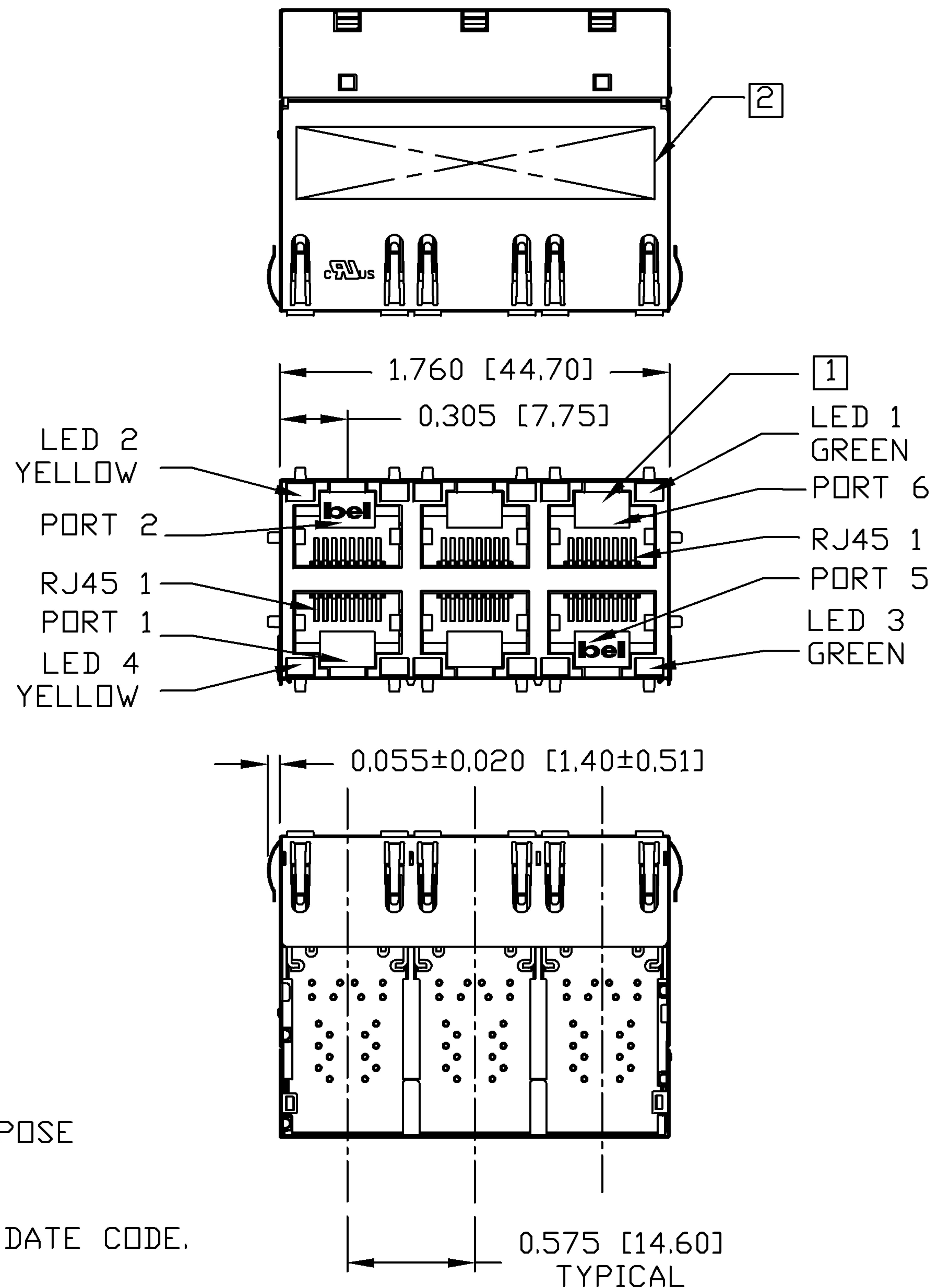
ORIGINATED BY	DATE	TITLE 2X3 MagJack® COMPRESSOR SERIES (4 Cores and extended temperature)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOW WANCHUNG	02-02-09		C850-2D3R-FK	TOL. IN INCH		UNIT : INCH [mm] REV. : A		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
LEE WEIDE	02-02-09			C850-2D3R-FK_A.DWG		.XX	 PAGE : 2	
			.XXX					

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.



- NOTES:
- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
FROG LEGS ARE FOR PCB RETENTION
FORCE ONLY AND NOT FOR GROUNDING PURPOSE
- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.
- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

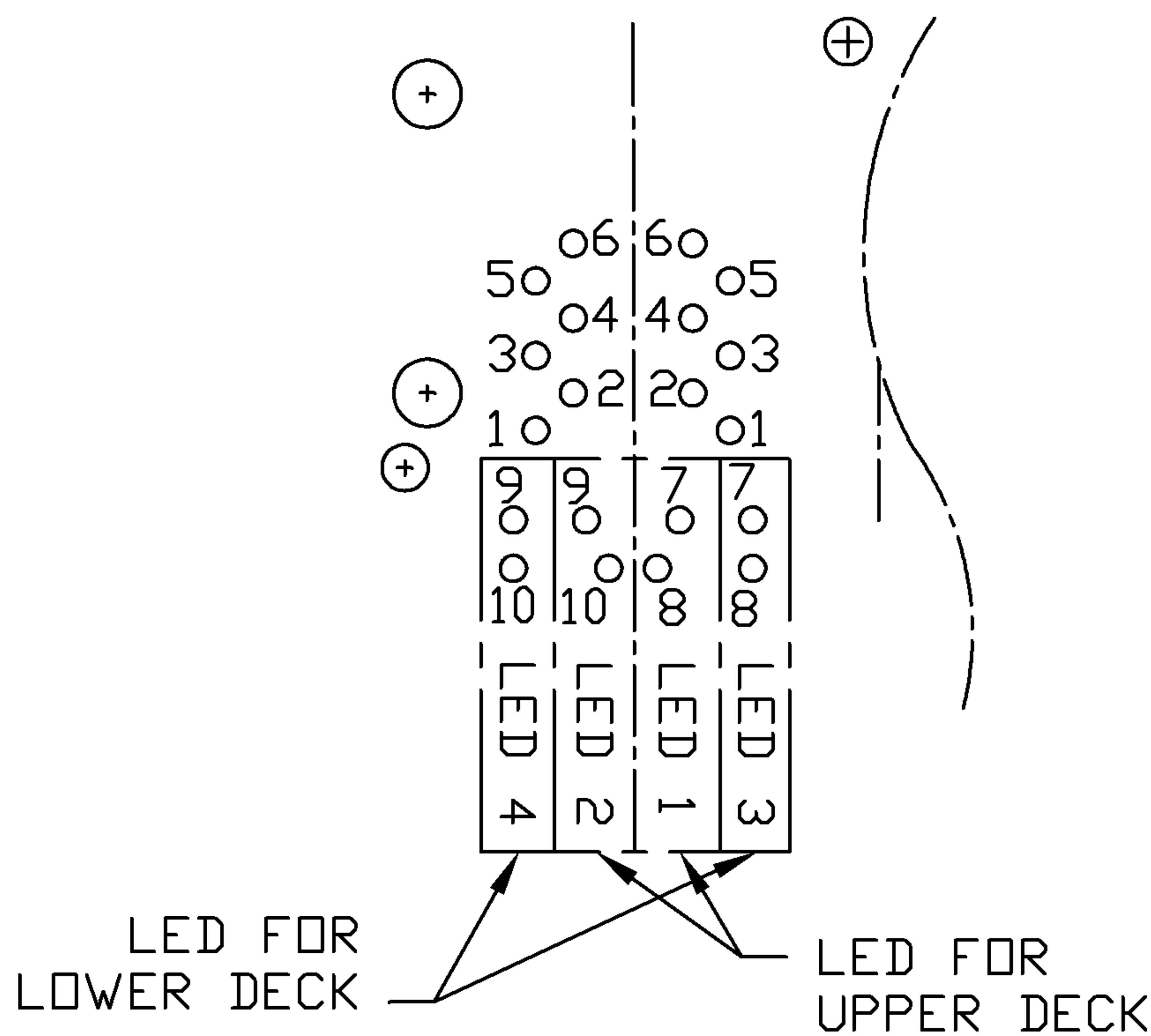
c UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLAINT, PER EU DIRECTIVE 2002/95/EC.



ORIGINATED BY	DATE	TITLE 2X3 MagJack® COMPRESSOR SERIES (4 Cores and extended temperature)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	02-02-09		C850-2D3R-FK	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	02-02-09		C850-2D3R-FK_A.DWG	.XX				
				.XXX	±0.010			PAGE : 3



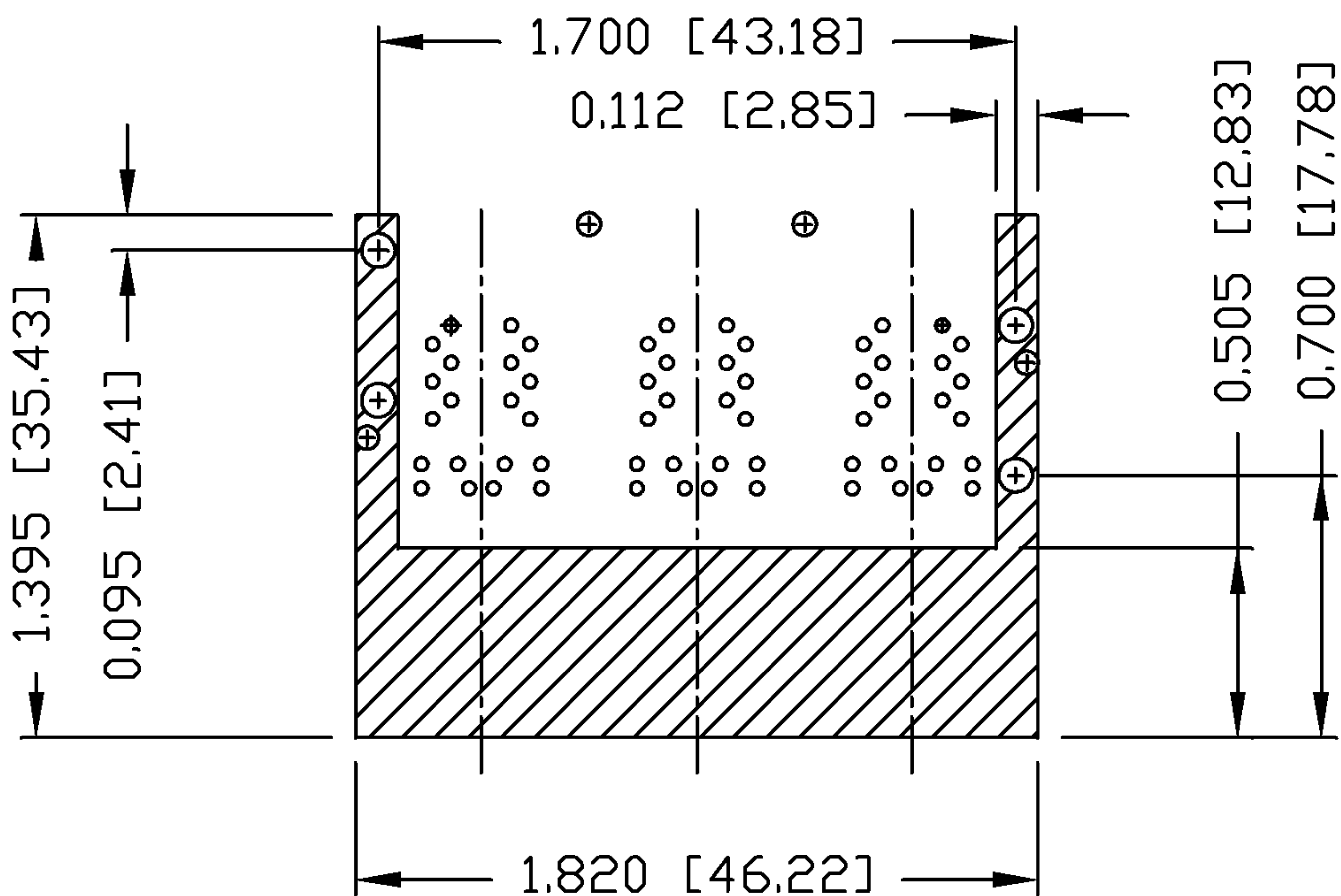
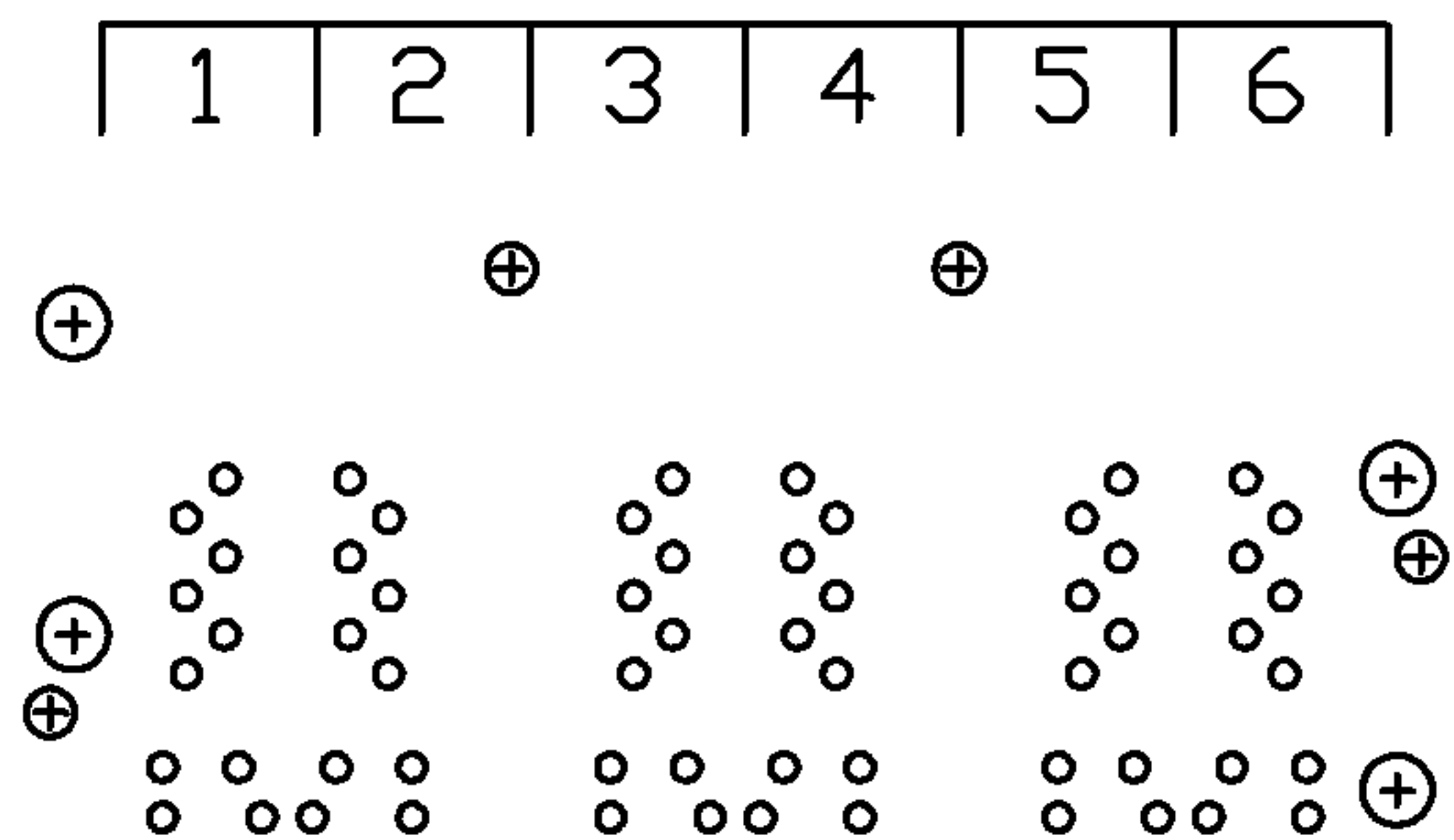
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	YELLOW (-)
9	YELLOW (+)
8	GREEN (-)
7	GREEN (+)
6	TCT
5	TD -
4	TD +
3	RD -
2	RD +
1	RCT

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY CHEN BILL	DATE 02-02-09	TITLE 2X3 MagJack® COMPRESSOR SERIES (4 Cores and extended temperature)	PART NO. / DRAWING NO. C850-2D3R-FK	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 02-02-09		FILE NAME C850-2D3R-FK_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

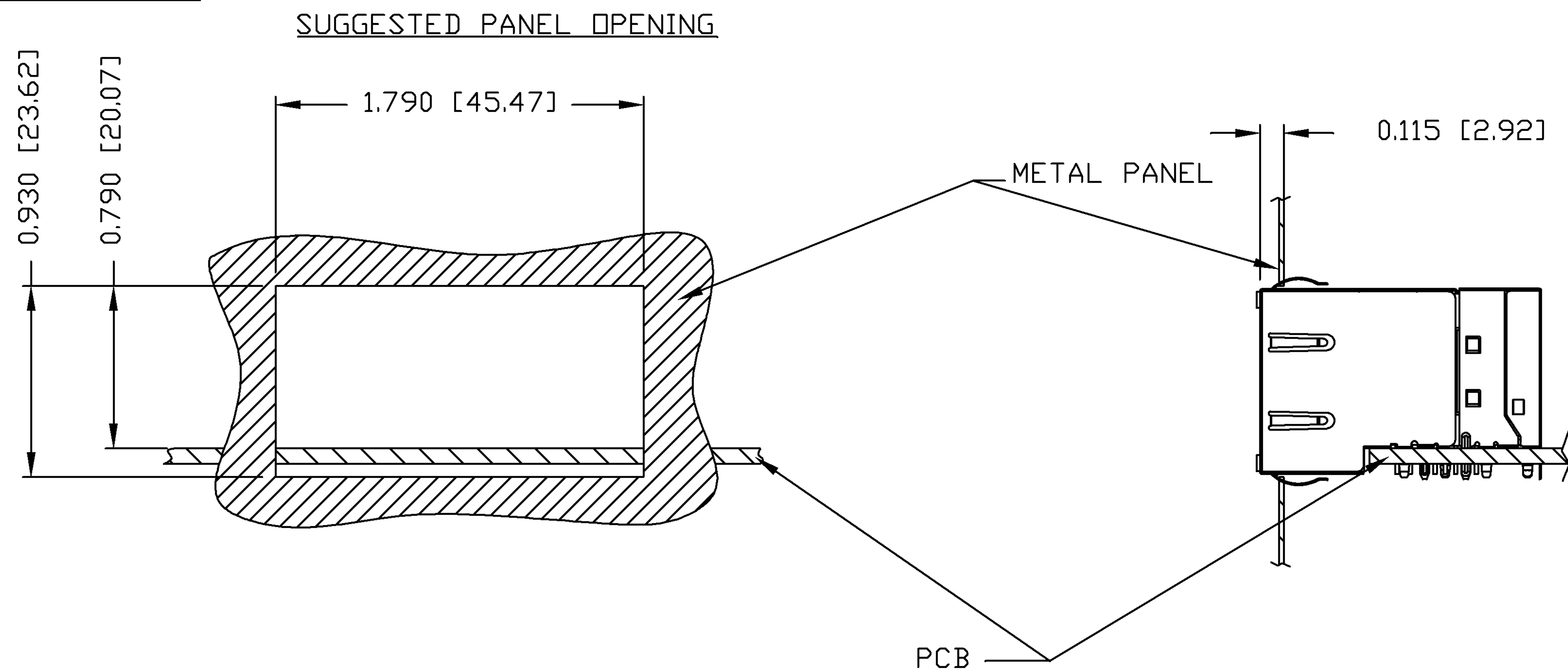


RoHS
2002/95/EC



ORIGINATED BY CHEN BILL	DATE 02-02-09	TITLE 2X3 MagJack® COMPRESSOR SERIES (4 Cores and extended temperature)	PART NO. / DRAWING NO. C850-2D3R-FK	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 02-02-09		FILE NAME C850-2D3R-FK_A.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 5	

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

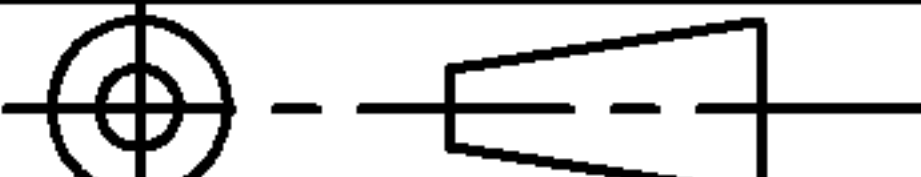
PACKING TRAY : 0200-9999-G8 (TOP)

0200-9999-G9 (BOTTOM)

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.

6 TRAYS (180 PCS FINISHED GOODS) PER CARTON BOX.

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE 2X3 MagJack® COMPRESSOR SERIES (4 Cores and extended temperature)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	02-02-09		C850-2D3R-FK	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	02-02-09			C850-2D3R-FK_A.DWG		.XX		
			.XXX	±0.004				