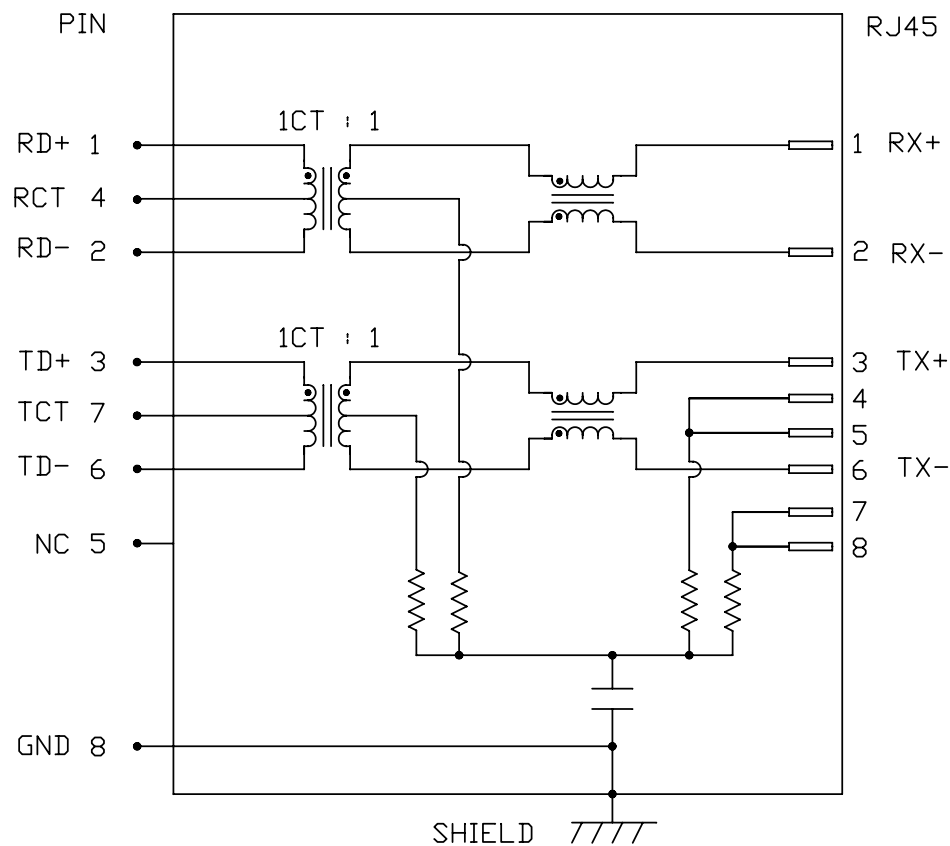




ELECTRICAL CHARACTERISTICS @ 25°C

RETURN LOSS (MIN.)	
1MHz-30MHz	-18 dB
60MHz-80MHz	-12 dB
INSERTION LOSS	
100KHz TO 100MHz	-1.1 dB
QCL @ 0.1V, 100KHz	
8mA DC BIAS	350μH MIN.
TURNS RATIO	1CT : 1CT ±3%
CM TO CM REJ	
100kHz - 100MHz	-35 dB MIN
CM TO DM REJ	
100kHz - 100MHz	-40 dB MIN
XTALK	
100KHz TO 100MHz	-35 dB MIN.

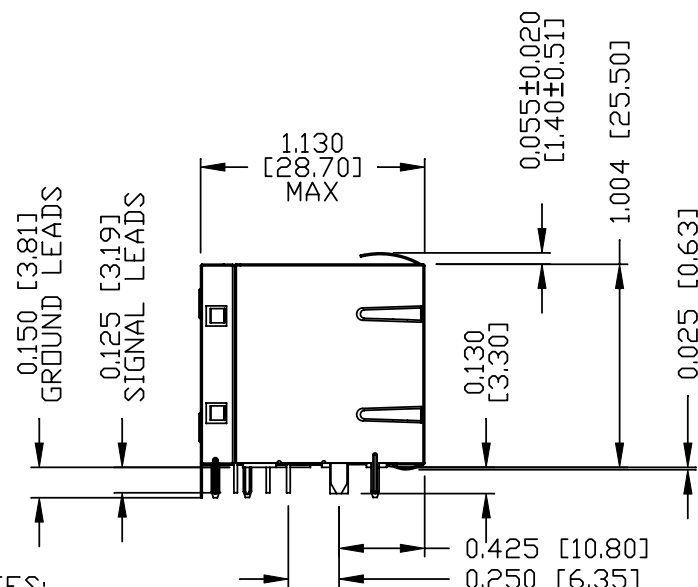
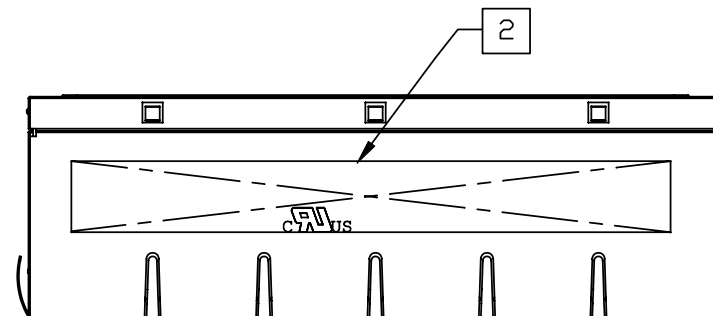
SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2012-07-10	2X6 MagJack® (4 Cores)	08112X6R28-F	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
TAN QIGUANG	2012-07-10	0811-2X6R-28-F PATENTED	08112X6R28-F_B.DWG	.XX	PAGE : 2
				.XXX	

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RoHS

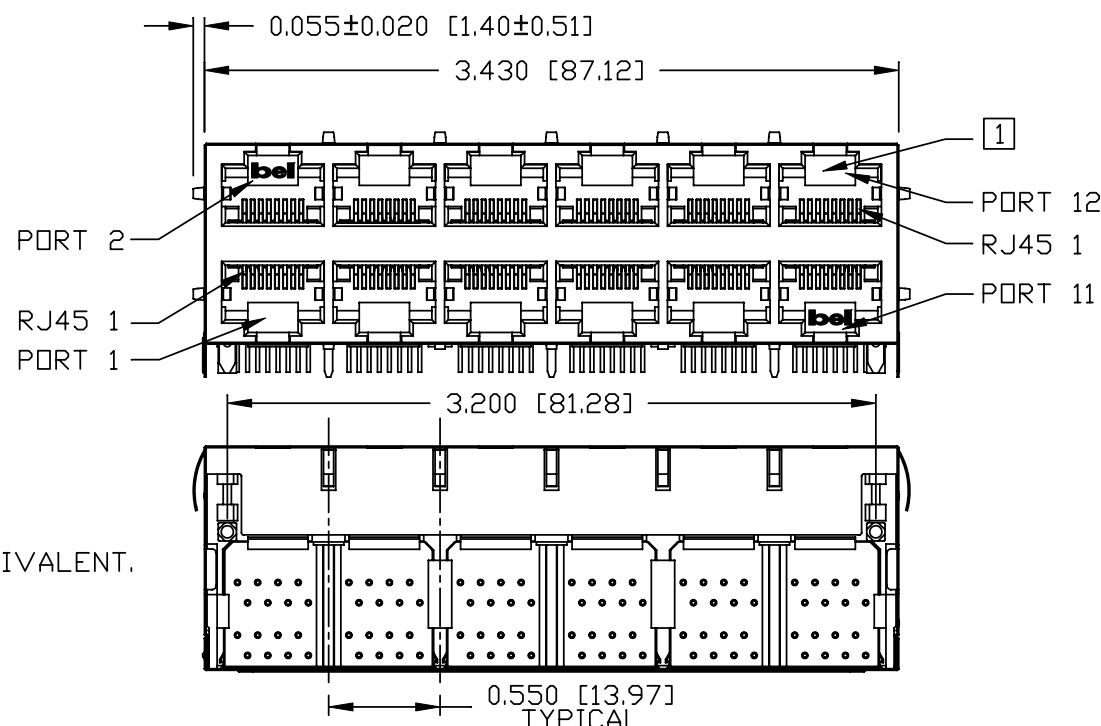


NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED COPPER ALLOY,
(ALL GROUND LEADS ARE SOLDER DIPPED)

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

c USUL RECOGNIZED - FILE #E196366 AND E169987.



3. THE PRODUCT IS RoHS COMPLIANT.
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

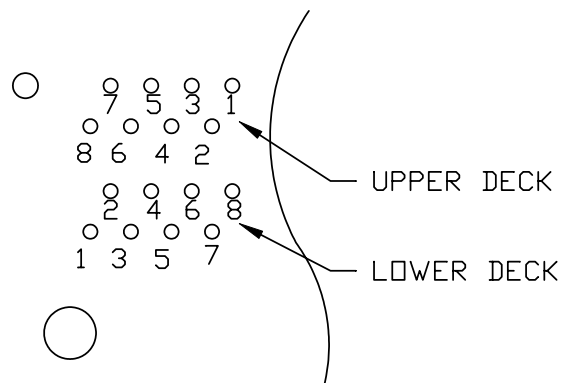
ORIGINATED BY	DATE	TITLE 2X6 MagJack® (4 Cores) 0811-2X6R-28-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2012-07-10		08112X6R28-F	TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-07-10		08112X6R28-F_B.DWG	.XX			PAGE : 3	
				.XXX	±0.010			

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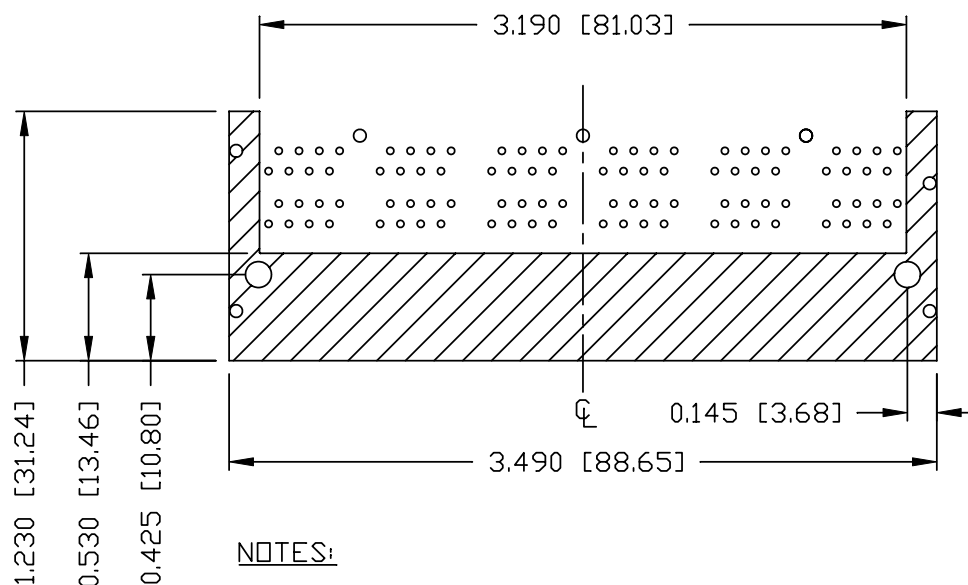
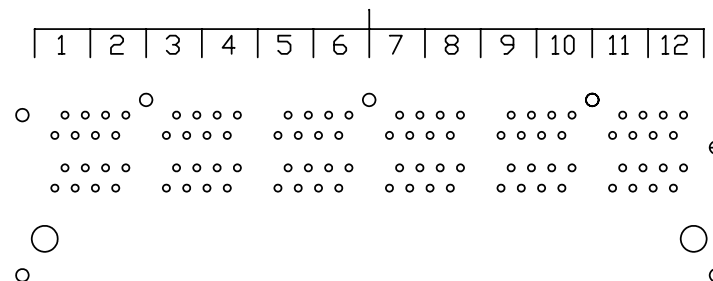


PORT ASSIGNMENT (COMPONENT SIDE VIEW)



PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

8	GND
7	TCT
6	TD-
5	NC
4	RCT
3	TD +
2	RD -
1	RD +

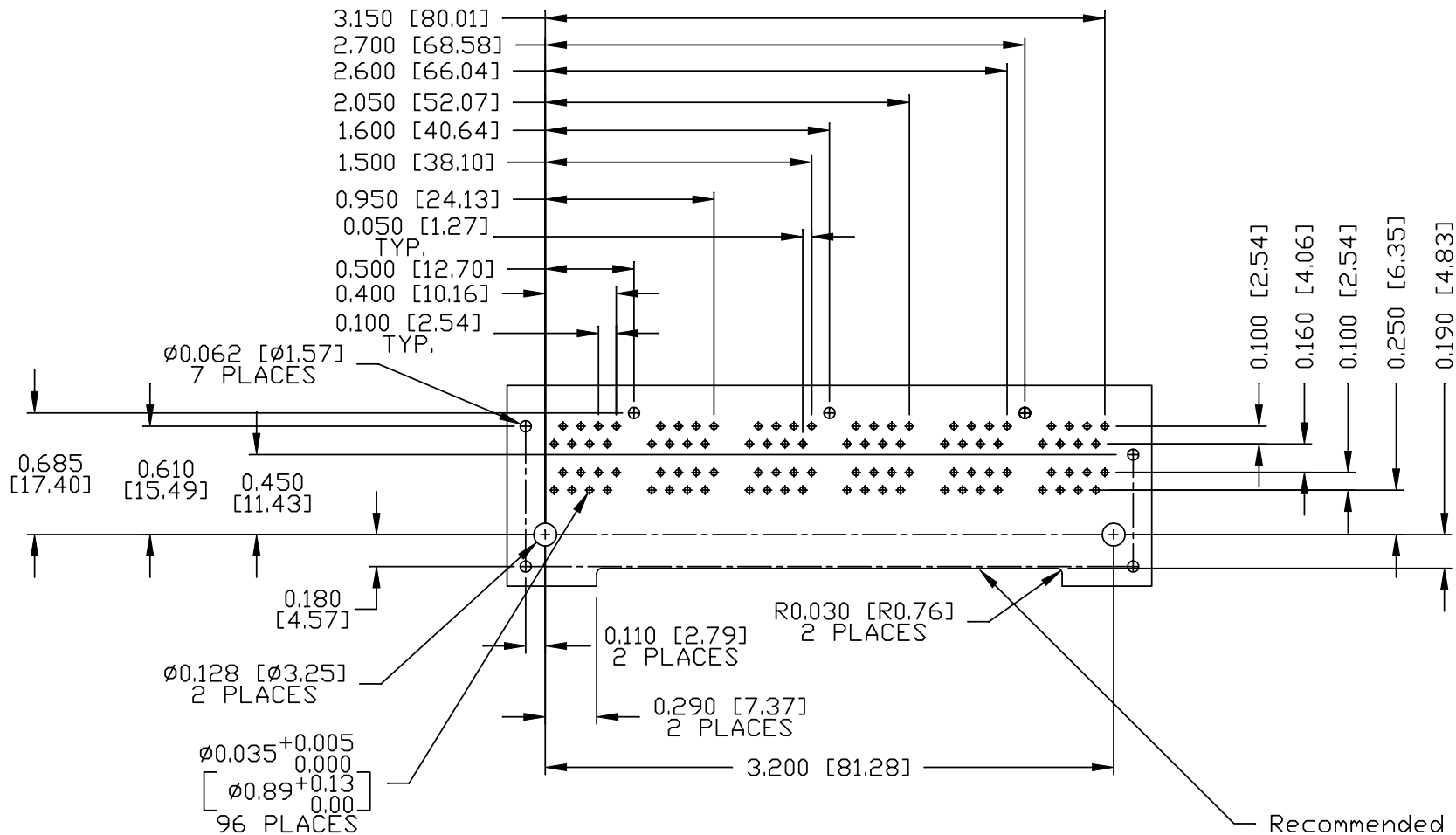


NOTES:

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

ORIGINATED BY ANTON LIAO	DATE 2012-07-10	TITLE 2X6 MagJack® (4 Cores) 0811-2X6R-28-F PATENTED	PART NO. / DRAWING NO. 08112X6R28-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY HE ZHEN	DATE 2012-07-10		FILE NAME 08112X6R28-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4





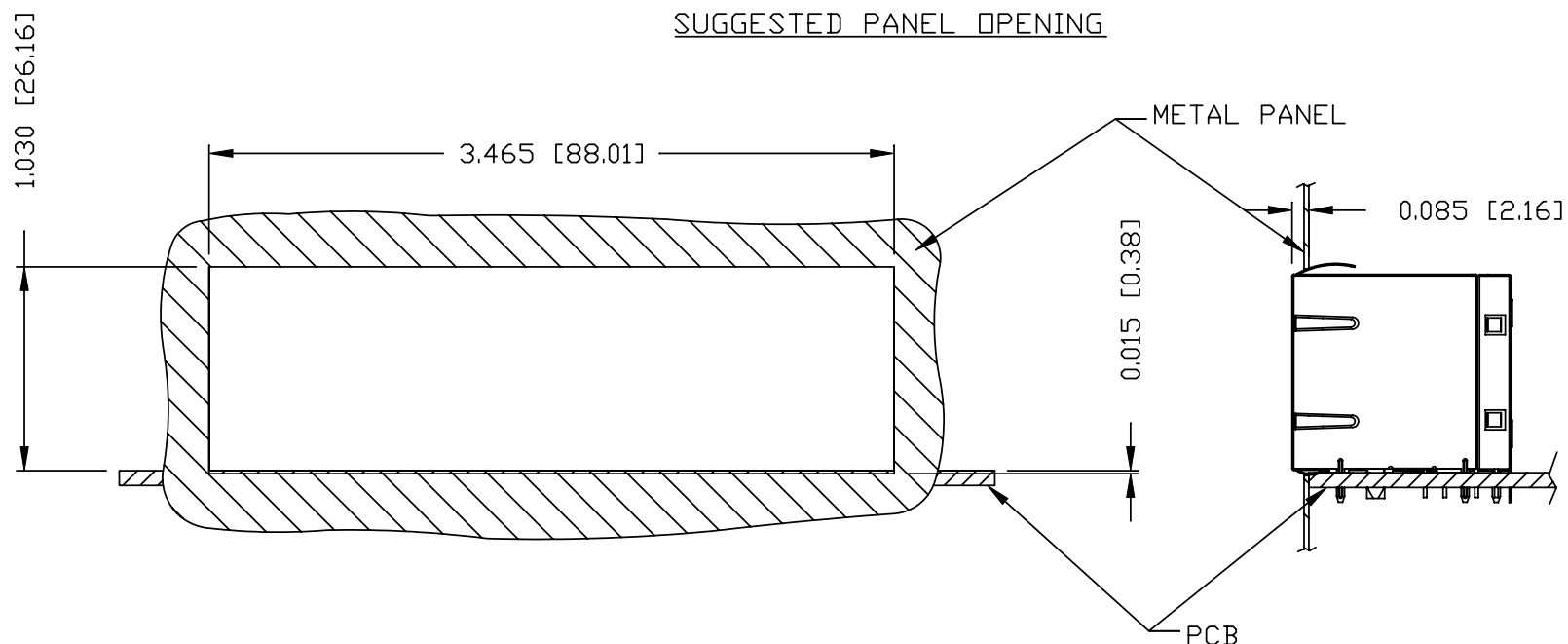
SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
ANTON LIAO	2012-07-10	2X6 MagJack® (4 Cores)	08112X6R28-F	.X	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	0811-2X6R-28-F PATENTED	FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	2012-07-10		08112X6R28-F_B.DWG	.XXX	±0.004	PAGE : 5

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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-A9 (TOP)
0200-9999-A8 (BOTTOM)

PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
7 TRAYS (105 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	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-07-10	2X6 MagJack® (4 Cores)	08112X6R28-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	0811-2X6R-28-F PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-07-10		08112X6R28-F_B.DWG	.XXX ±0.004	⊕ --- PAGE : 6



Mouser Electronics

Authorized Distributor

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Bel:

[0811-2X6R-28-F](#)