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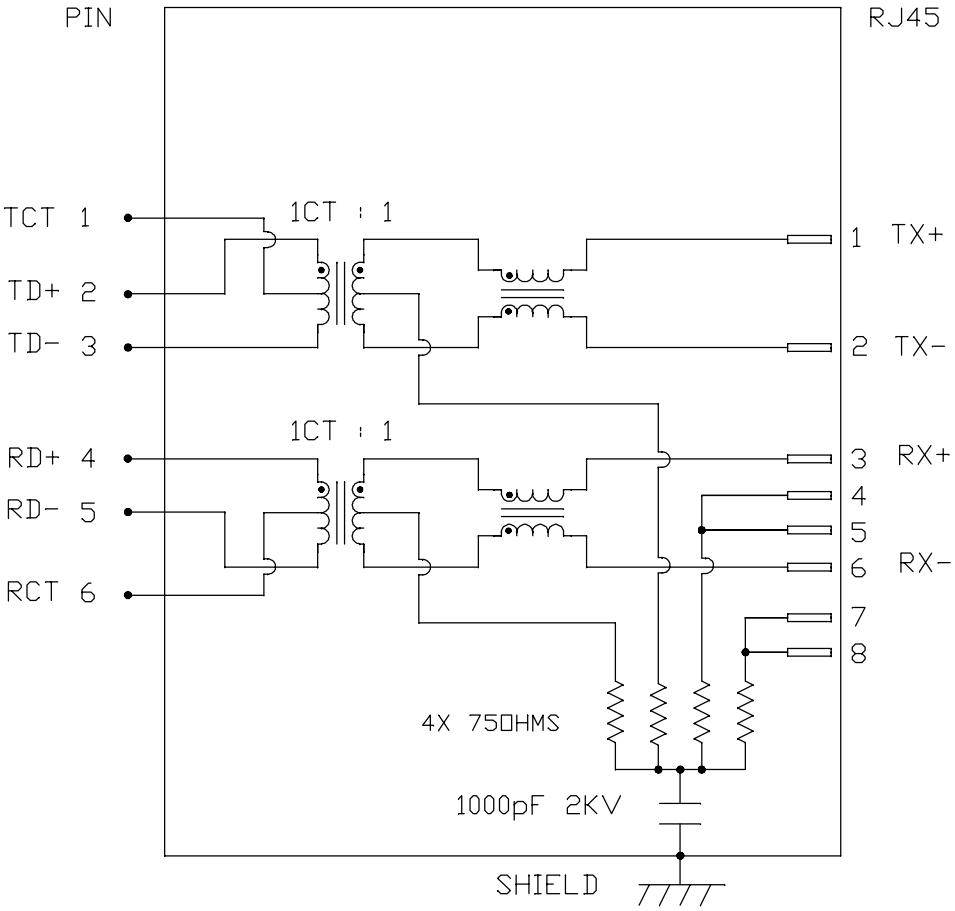
RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio	
TX	1CT : 1
RX	1CT : 1
QCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms or 2250VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	
OPERATING TEMPERATURE: 0°C TO +70°C.	

SCHEMATIC



ORIGINATED BY
CHOW WANCHUNG
DATE 2017-03-10
DRAWN BY
LI LINFENG
DATE 2017-03-10

TITLE
SMD MagJack®
(4 Cores,MDIX,CM Termination)
S811-1X1T-06-F

PART NO. / DRAWING NO.
S811X1T06-F
FILE NAME
S811X1T06-F_G.DWG

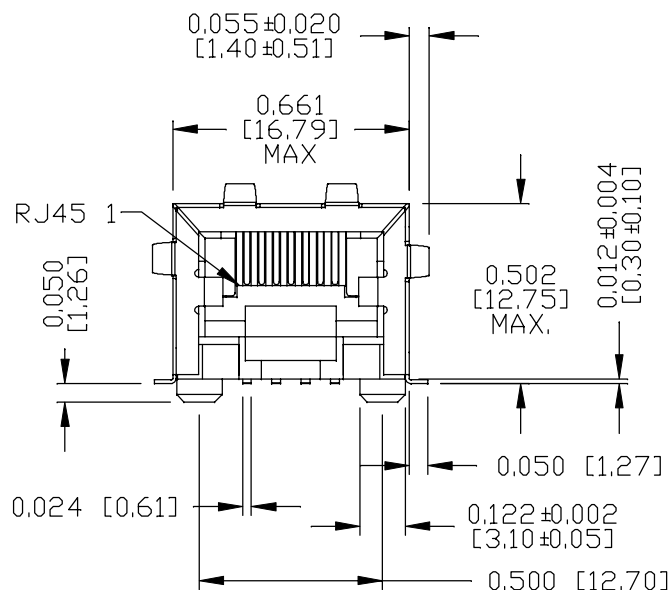
STANDARD DIM.
TOL. IN INCH
[] METRIC DIM.
AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : G

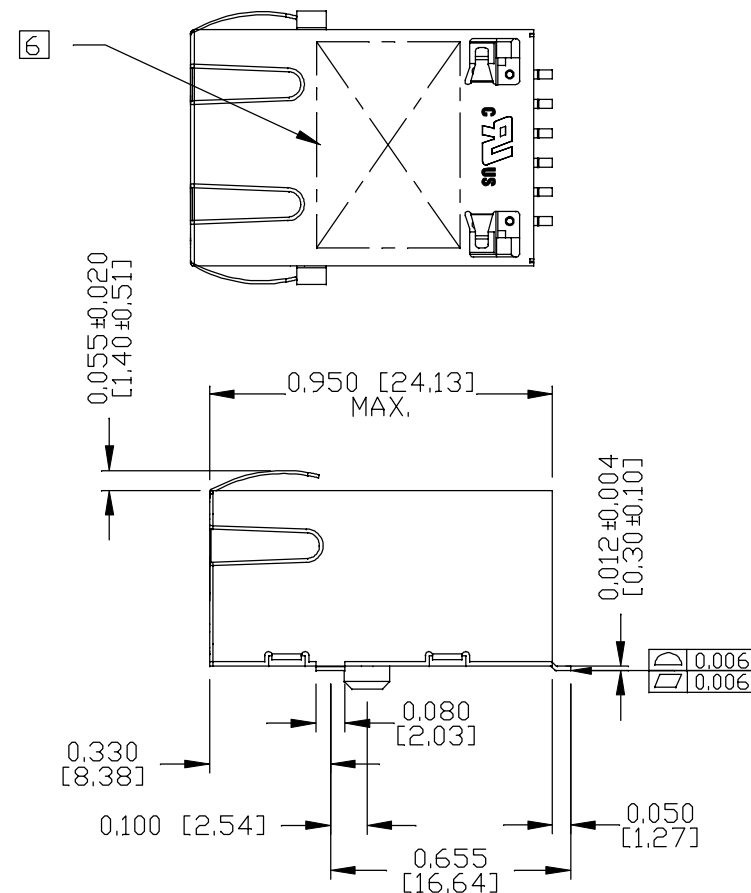
PAGE : 2

**bel** MAGNETIC SOLUTIONS
a bel group

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**NOTES:**

1. PLASTIC HOUSING: THERMOPLASTIC PA & THERMOSET PHENOLIC. BLACK FLAMMABILITY RATING UL 94V-0
2. CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
3. PINS: TIN-COATED COPPER WIRE, 0.024 [0.6] X 0.012 [0.3] THK. 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
4. METAL SHIELD: NICKEL PLATED COPPER ALLOY.
5. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
6. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER AND DATE CODE.



7. THE PRODUCT IS RoHS COMPLIANT.

c RL us UL RECOGNIZED - FILE #E196366 AND E169987.

8. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY
SANDY LIN
DATE 2017-03-10

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SMD MagJack®
(4 Cores,MDIX,CM Termination)
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DRAWN BY
XUE RIPING
DATE 2017-03-10

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S8111X1T06-F

FILE NAME
S8111X1T06-F_G.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

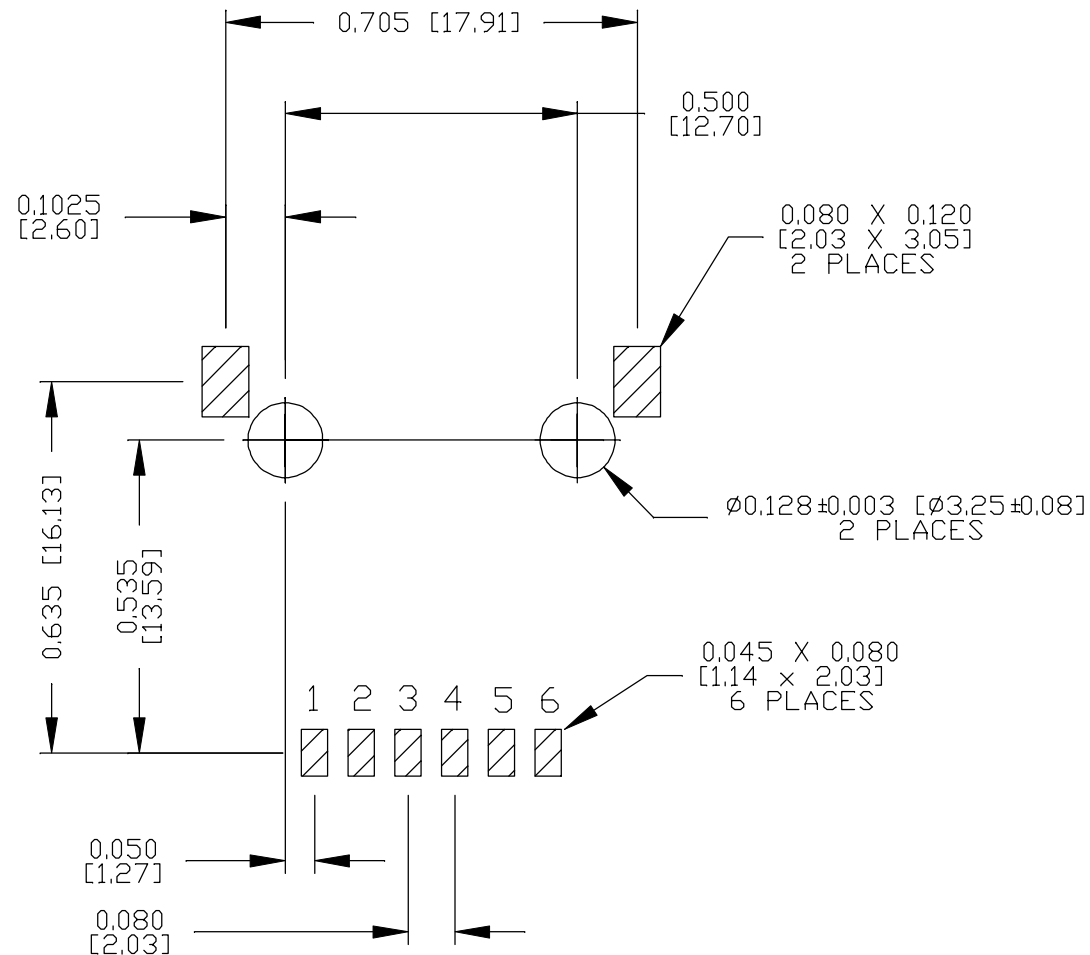
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



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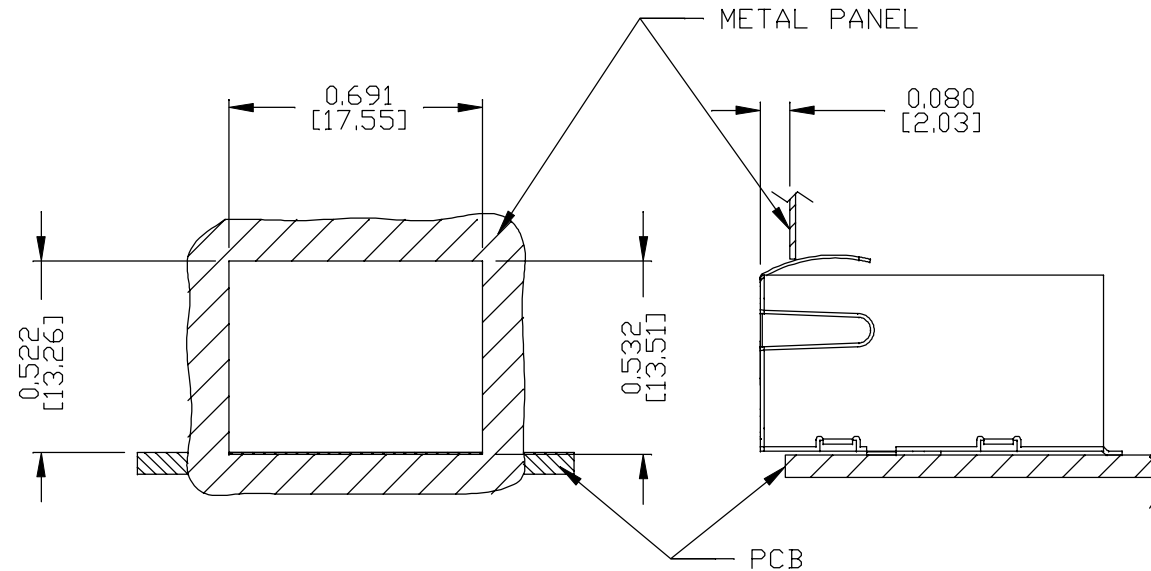
FILE NAME
S8111X1T06-F_G.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	± 0.004	SIZE : A4

REV. : G	PAGE : 4
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**bel** MAGNETIC SOLUTIONS
a bel group

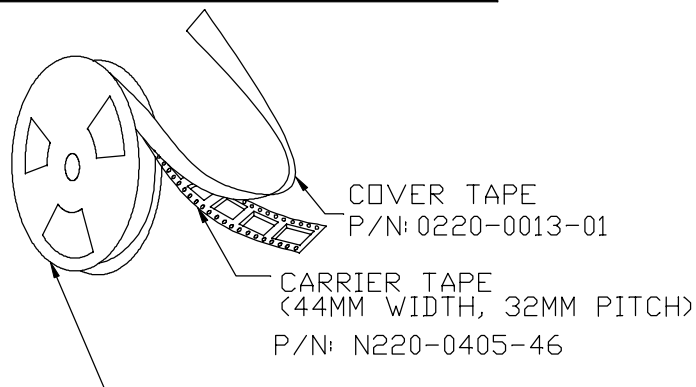
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RoHSSUGGESTED PANEL OPENING**NOTES:**

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.

										REV. : G		PAGE : 5		
ORIGINATED BY SANDY LIN DATE 2017-03-10		TITLE SMD MagJack® (4 Cores,MDIX,CM Termination) S811-1X1T-06-F			PART NO. / DRAWING NO. S8111X1T06-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 bel MAGNETIC SOLUTIONS a bel group			
DRAWN BY XUE RIPING DATE 2017-03-10					FILE NAME S8111X1T06-F_G.DWG		.X		UNIT : INCH [mm]					
							.XX		SCALE : N/A					
		.XXX	±0.004				SIZE : A4							

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PLASTIC REEL
(OUTSIDE DIA.= 15", HUB DIA.= 4")

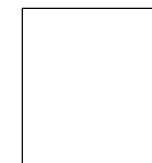
P/N: 0210-0005-01/02

NOTES:

- 1) LEAVES 48 INCHES COVER TAPE AND 5 EMPTY POCKETS AT TRAILER.
- 2) LEAVES 24 INCHES COVER TAPE AND 13 EMPTY POCKETS AT LEADER.
- 3) PACK 175 PCS PER REEL.
- 4) EACH BAGS SHOULD HAVE TWO BAGS SILICA GEL INSIDE MOISTURE BARRIER BAG, & VACUUM SEALED
- 5) EACH PIZZA BOX CONTAINS ONE (1) MOISTURE BARRIER BAG, (175 PCS FINISHED GOODS EACH PIZZA BOX).
- 6) EACH OUTER CARTON CONTAINS SIX (6) PIZZA BOXES, (1050 PCS FINISHED GOODS EACH OUTER CARTON).

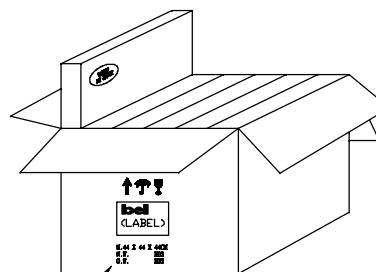


2 BAGS SILICA GEL
P/N: 0036-0010-03

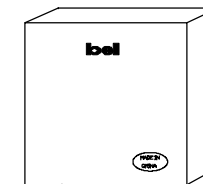


MOISTURE BARRIER BAG
(20.5"L X 19"W)
P/N: 0200-0143-17

VACUUM SEALED

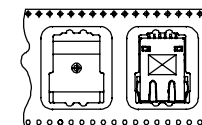


OUTER CARTON
(17"L X 17"W X 17"H)
P/N: 0200-9999-22



PIZZA BOX
(16"L X 16"W X 2.5"H)
P/N: 0200-1620-A1

USER FEED DIRECTION



PART ORIENTATION & FEEDING DIRECTION.

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DATE 2017-03-10

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FILE NAME
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STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

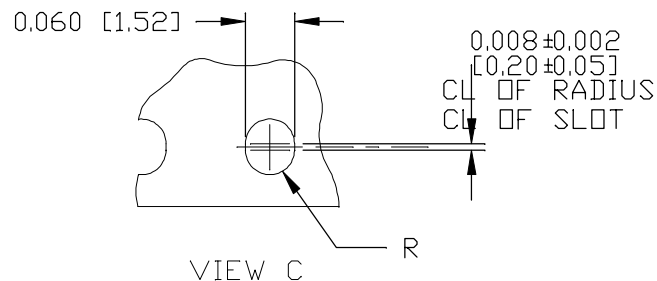
REV. : G

PAGE : 6



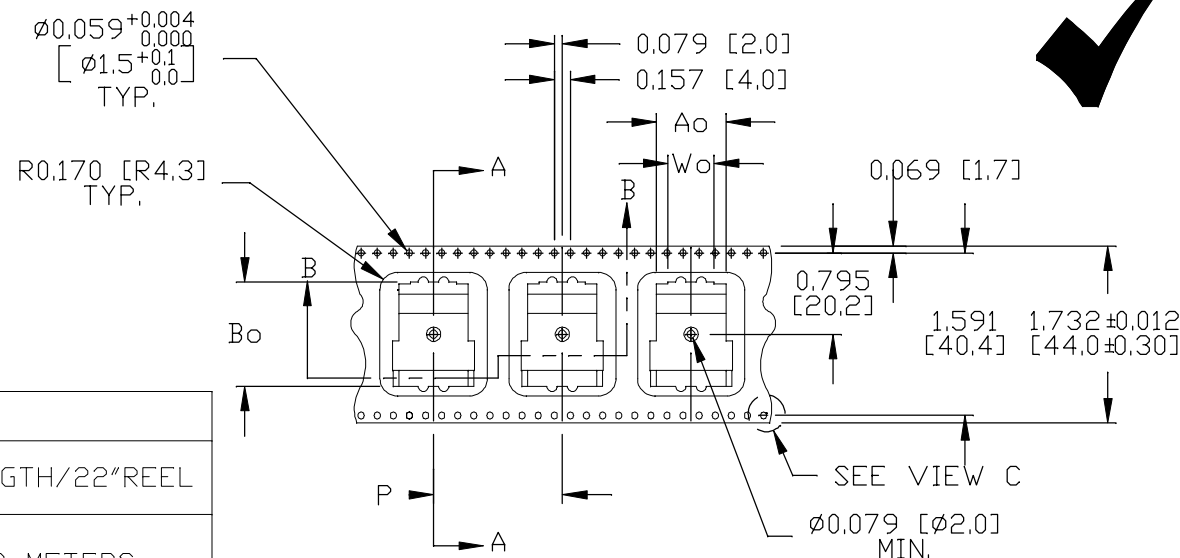
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RoHS

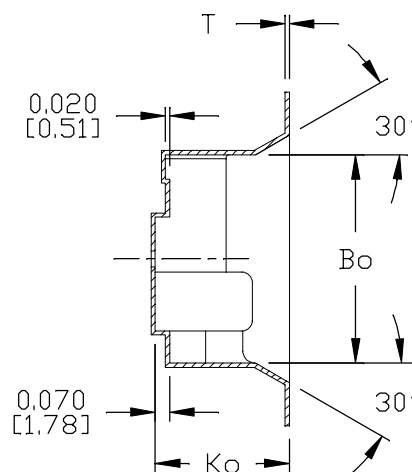
DIMENSION CHART

PART NUMBER	Ao	Bo	Ko	P	Wo	T	LENGTH/22" REEL
N220-0405-46	0.670 [17.02]	1.010 [25.65]	0.635 [16.13]	1.260 [32.00]	0.505 [12.83]	0.020 [0.50]	13 METERS

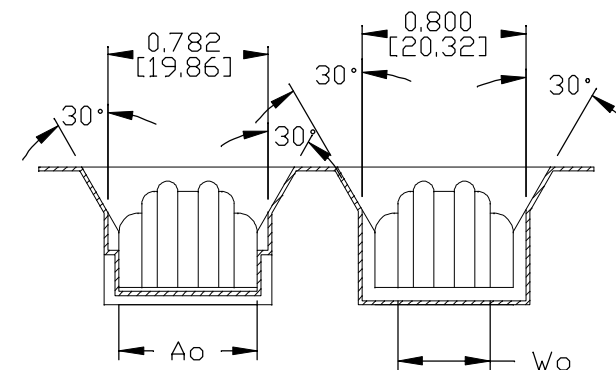


NOTES :

- ALL OTHER SPECIFICATIONS SHOULD MEET EIA 481-D STANDARD.



SECTION A-A



SECTION B-B

ORIGINATED BY
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.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	SIZE : A4

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RoHS

MOISTURE BARRIER BAG

OPEN HERE

20.0 [508.00]

18.0 [457.20]

NOTES:

1. MATERIAL : BI-LAYER LALMINATED MATERIAL
CONTAINS NYLON & POLYETHYLENE.
2. MATERIAL THICKNESS : 0.003±0.0008".
3. COLOR : TRANSPARENT.
4. ALL DIMENSIONS REFER TO INSIDE DIMENSIONS.
5. 3 SIDES SEALING WITH 0.30 MINIMUM SEALING WIDTH
6. PRODUCT SPECIFIED HEREIN AND IT'S PACKING MATERIAL SUPPLIED
TO BELFUSE MUST MEET EU RoHS REQUIREMENT.

REV. : G

PAGE : 8

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FILE NAME
S8111X1T06-F_G.DWG

STANDARD DIM.
TOL. IN INCH

.X ±0.1

.XX

.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4



bel MAGNETIC
SOLUTIONS
a bel group