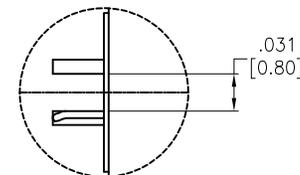
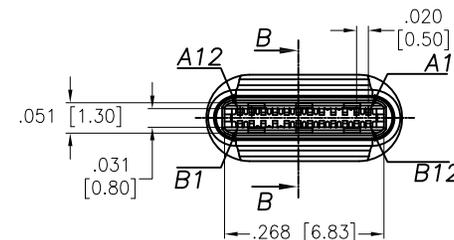
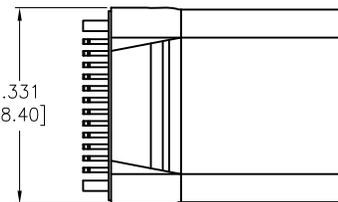
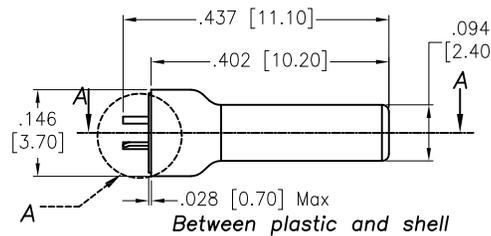
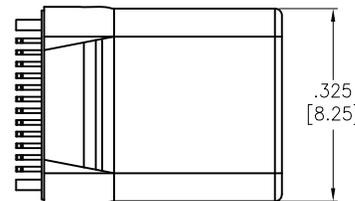
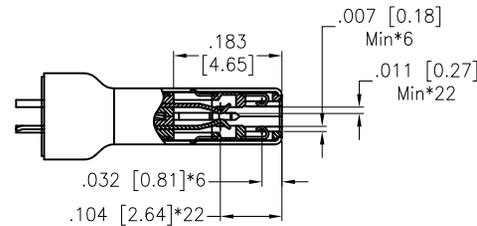


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 DATE: _____ TITLE: _____

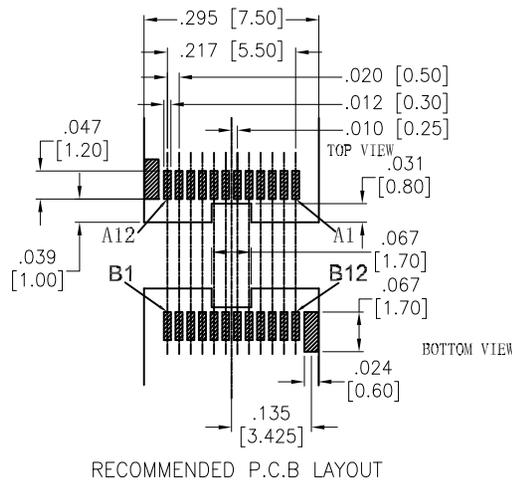
Rev	AWO #	Description	Date	Appr
-		RELEASED	12/13/16	
A		UPDATE DIM.	2/7/17	AY/CH

TABLE :PIN DEFINE

PIN	SIGNAL NAME	PIN	SIGNAL NAME
A12	GND	B1	GND
A11	RX2+	B2	TX2+
A10	RX2-	B3	TX2-
A9	VBUS	B4	VBUS
A8	SUB1	B5	VCONN
A7	Dn1	B6	
A6	Dp1	B7	
A5	CC	B8	SUB2
A4	VBUS	B9	VBUS
A3	TX1-	B10	SSTXn2
A2	TX1+	B11	SSTXp2
A1	GND	B12	GND



DETAIL A



RECOMMENDED P.C.B LAYOUT

SPECIFICATIONS:

Material:
 Insulator: Hi-temp thermoplastic, rated UL 94V-0
 Insulator color: Black
 Contacts: Copper Alloy
 Shell: Nickel plated
 Plating:
 Gold flash over Nickel underplate on contact area,
 Tin over Nickel underplate on solder tails
 Electrical:
 Current rating: 3A for VBUS Pin, 1.25A for VCONN Pin
 Contact resistance: 40 mohms max
 Insulation resistance: 100 Mohms min
 Dielectric withstanding: 100 VAC for 1 minute
 Mechanical:
 Mating Force: 5-20N max.
 Unmating force: 8-20N min, After 10000 Cycles: 6-20N.
 Durability: 10000 Cycles
 Temperature Rating:
 Operating temperature: -40°C to +85°C
 Environmental:
 Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED		
INCHES		HOLES
.X	± .10	Ø.X ± .10
.XX	± .020	Ø.XX ± .015
.XXX	± .015	Ø.XXX ± .010

APPROVALS		DATE
DRAWN	AY	12/13/16
CHECKED	AL	12/13/16
APPROVED		



TITLE UNIVERSAL SERIAL BUS, TYPE C, MALE PLUG,
 STRADDLE MOUNT, BLACK INSULATOR

SIZE	PART NO.	REV.
X	USB-C31-PLUG-E1-SHD-BK	A

REF: S00097C SCALE: NTS SHEET 1 OF 2

6

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4

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2

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APPROVED: _____

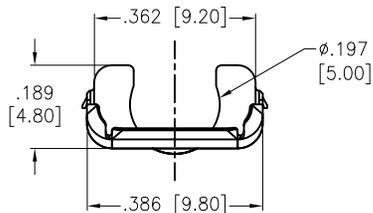
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Rev	AWO #	Description	Date	Appr
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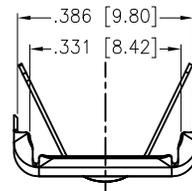
SEE SHT 1 OF 2 FOR REVISION

D

D



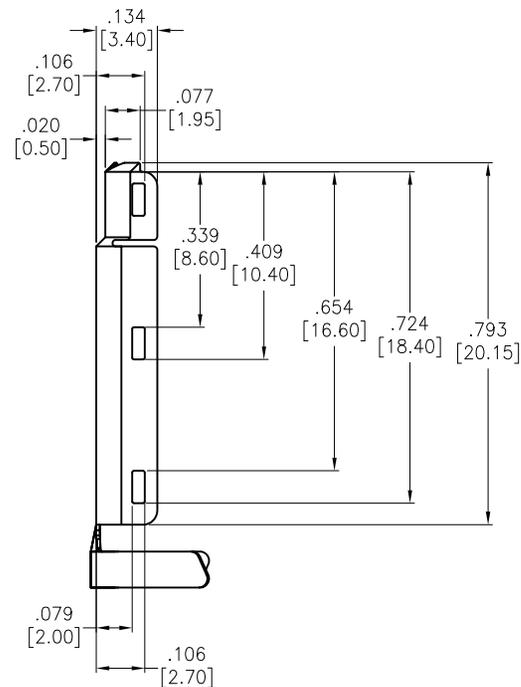
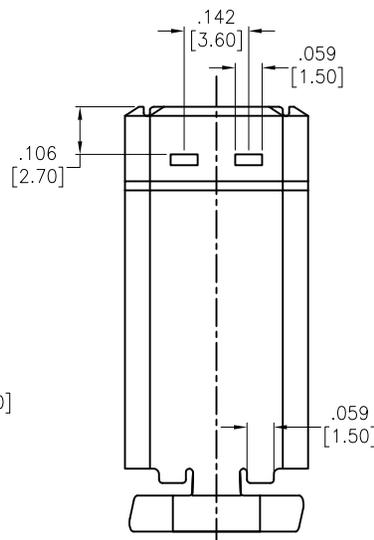
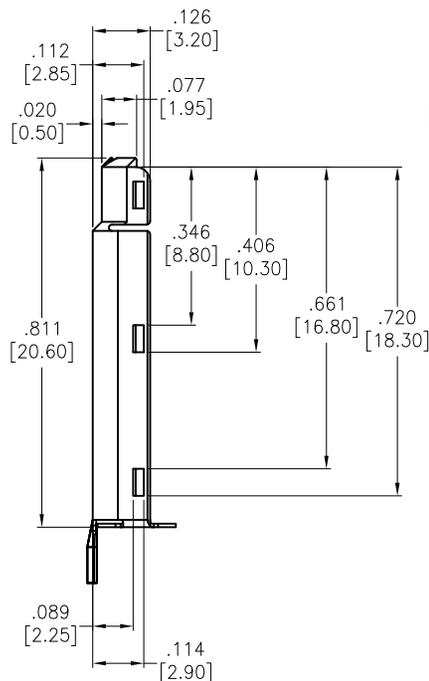
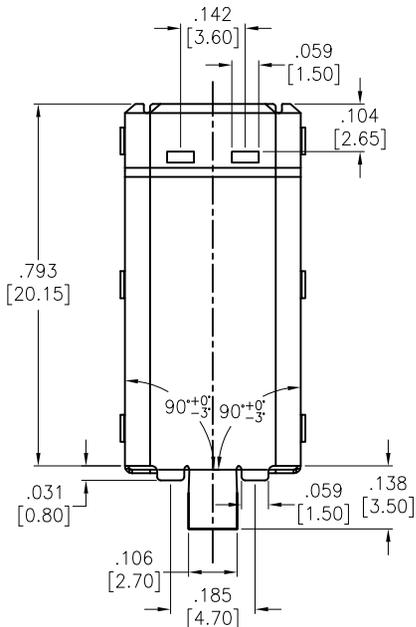
Bottom Shield



Top Shield

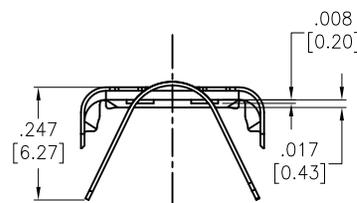
C

C



B

B



A

A

SPECIFICATIONS:

Material:
Shield: Stainless Steel, Nickel plated
Environmental:
Lead free, RoHS compliant.

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED
INCHES HOLES
.X ± .10 Ø.X ± .10
.XX ± .020 Ø.XX ± .015
.XXX ± .015 Ø.XXX ± .010



TITLE UNIVERSAL SERIAL BUS, TYPE C, MALE PLUG,
STRADDLE MOUNT, BLACK INSULATOR

APPROVALS		DATE
DRAWN	AY	12/13/16
CHECKED	AL	12/13/16
APPROVED		

SIZE X	PART NO. USB-C31-PLUG-E1-SHD-BK	REV. A
REF: S00097C	SCALE: NTS	SHEET 2 OF 2

6

5

4

3

2

1