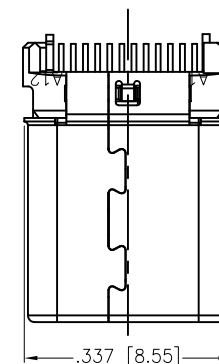
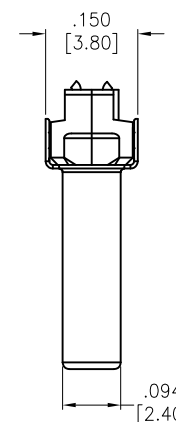
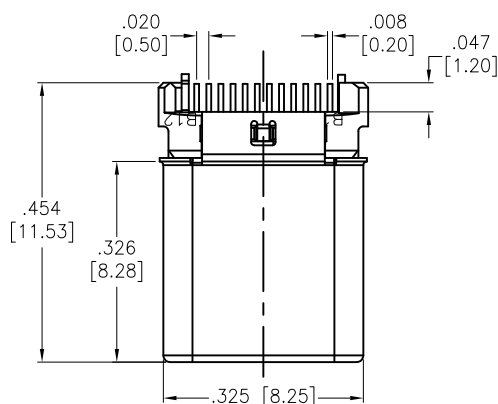
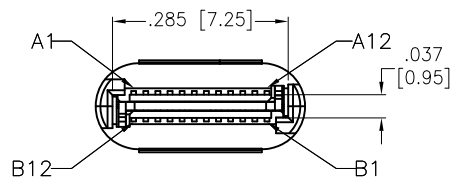
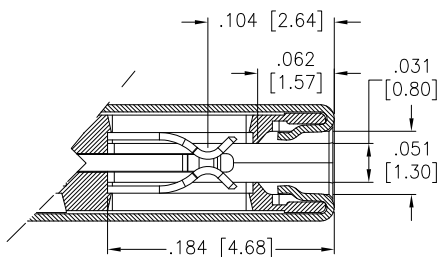


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/6/16	



SPECIFICATIONS:

Material:

Insulator: Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Copper Alloy

Shell: Stainless Steel, Nickel plated

Ground Latch: Stainless Steel, Nickel plated, Tab with Tin Alloy

Back Shell: Stainless Steel, Nickel plated

Plating:

Gold flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Current rating: 3.0 A (Vbus and Ground Contact)

0.25 A min. (Other Contact)

Contact resistance: 30 mohms max (Vbus and Ground Contact)

50 mohms max (Other Contact)

Insulation resistance: 100 Mohms min.

Dielectric withstanding: 100 VAC for 1 minute

Mechanical:

Insertion force: 5~20N @ 12.5mm per second max.

Withdrawal force: 8~20N @ 12.5mm per second max.

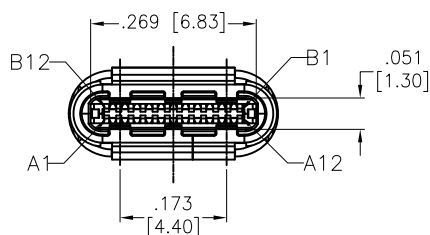
Durability: 10,000 Cycles

Temperature Rating:

Operating temperature: -55°C to +85°C

Environmental:

Lead free, RoHS compliant.



A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	Vbus	SBU1	D-	D+	CC	Vbus	TX1-	TX1+	GND
GND	TX2+	TX2-	Vbus	Vconn			SBU2	Vbus	RX1-	RX1+	GND
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12

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	HR	5/6/16
CHECKED	MW	5/6/16
APPROVED		



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

SIZE X	PART NO. USB-C31-PLUG-B-XX-BK	REV. -
REF: S00097C	SCALE: NTS	SHEET 1 OF 2



6

5

4

3

2

1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

AWO #

Description

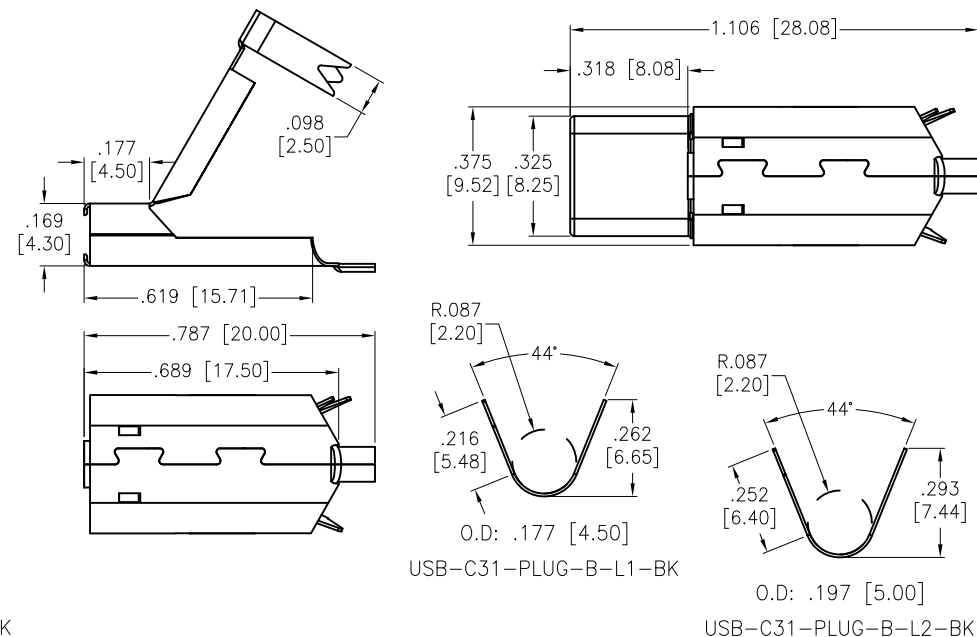
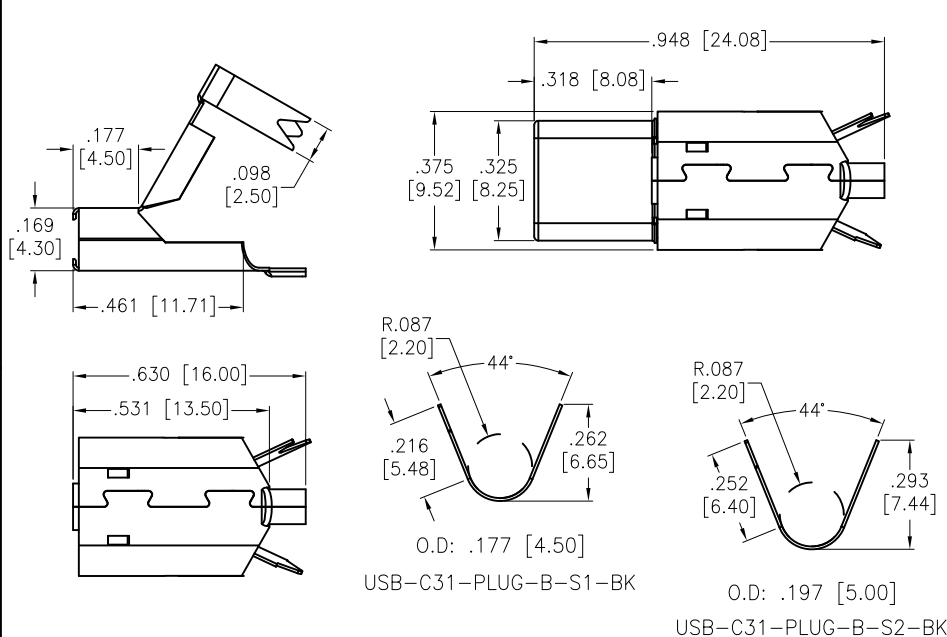
Date

Appr

SEE SHT 1 OF 2 FOR REVISION

SHORT SHELL

LONG SHELL



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

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CHECKED

MW

5/6/16

APPROVED



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

SIZE

PART NO.

REV.

X

USB-C31-PLUG-B-XX-BK

-

REF: S00097C

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

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1