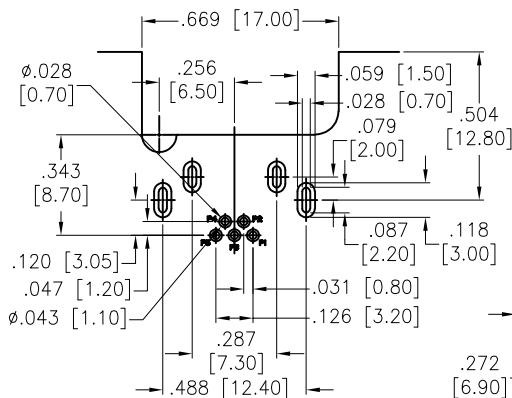


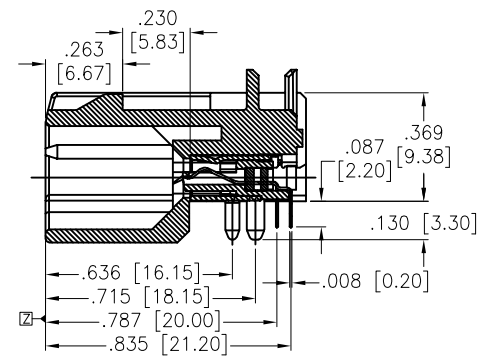
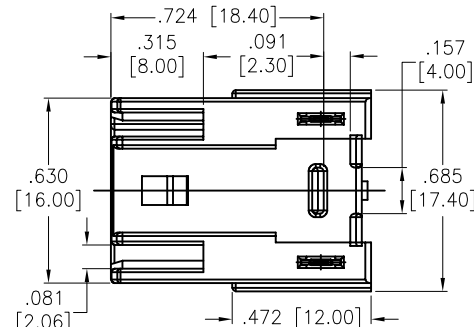
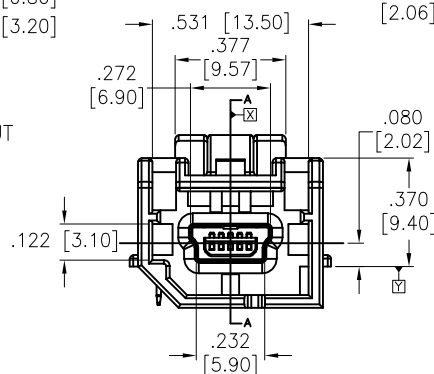
APPROVED: _____

DATE: _____ TITLE: _____

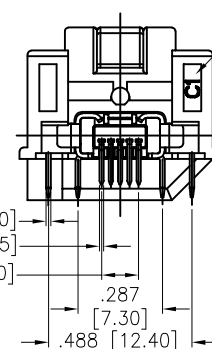
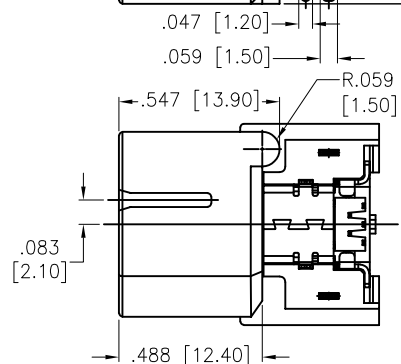
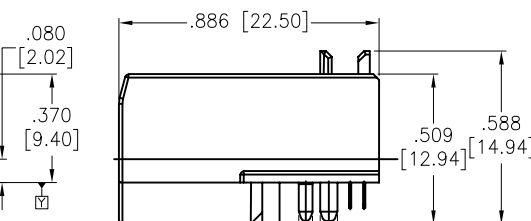
Rev	AWO #	Description	Date	Appr
-		RELEASED	8/7/24	
A		UPDATE SPEC.	10/18/24	WY/AC1
B		ADDED SPEC.	12/10/24	LH/AC1
C		ADDED SPEC.	1/20/25	LH/RC
D		UPDATE DRAWING	3/14/25	WY/RC



RECOMMENDED PCB LAYOUT



SECTION A-A



The mold cavity numbers are as follows: recessed characters with a depth of 0.03mm, labeled from A, B ... to H.

CONTACT NUMBER	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	ID
5	GND
SHELL	SHIELD

SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Gray

Housing: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Dark Yellow

Contacts: Copper Alloy

Shell: Copper Alloy, Tin plated

Fitting Nail: Copper Alloy

Plating:

Gold Flash over Nickel underplate on contact area

Tin over Nickel underplate on solder tails

Electrical:

Voltage rating: 5V

Current rating: 1 Amp

Contact resistance: 30 mohms max

Insulation resistance: 100 Mohms min

Dielectric withstanding voltage: 500V AC R.M.S

Mechanical:

Mating force: 45N max.

Unmating force: 75N max.

Durability: 20 Cycles (latch)

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	ØX ± .10
.XX ± .020	ØXX ± .015
.XXX ± .015	ØXXX ± .010

DRAWN	LH	8/7/24
CHECKED	RC	8/7/24
APPROVED		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

ADAM
TECH

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TITLE
(HSecurLinC) MINI USB, TYPE B, 5 PIN, SINGLE PORT
RIGHT ANGLE, DIP TYPE, W/BRIDGE, A-CODE

SIZE X	PART NO. MUSB-B5-S-RA-AB-A	REV. D
REF: S00197C	SCALE: NTS	SHEET 1 OF 1