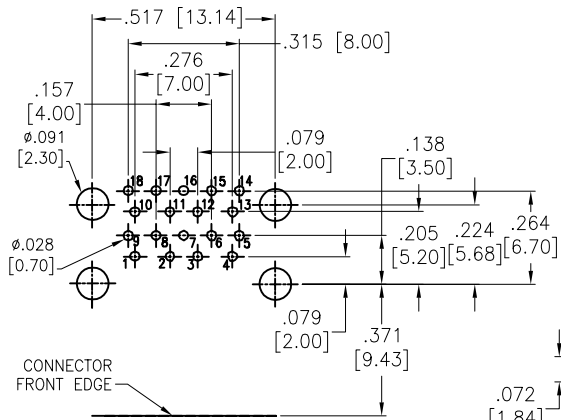


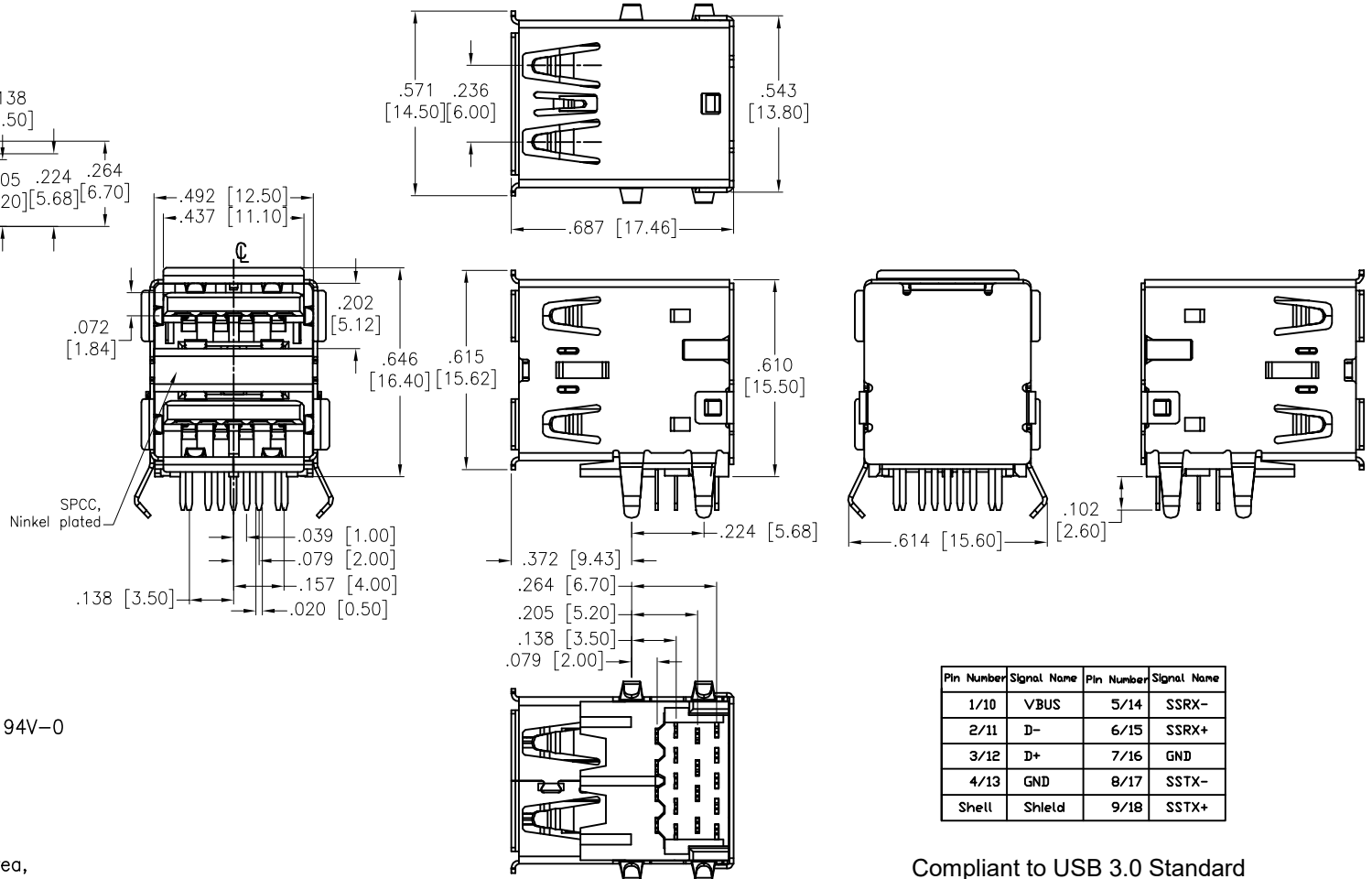
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/20/13	
A		Added USB 3.0 Compliant Note	9/23/16	
B		UPDATE TITLE	5/11/26	LW1/RC



RECOMMENDED PCB LAYOUT



SPCC, Nickel plated

Pin Number	Signal Name	Pin Number	Signal Name
1/10	VBUS	5/14	SSRX-
2/11	D-	6/15	SSRX+
3/12	D+	7/16	GND
4/13	GND	8/17	SSTX-
Shell	Shield	9/18	SSTX+

Compliant to USB 3.0 Standard

SPECIFICATIONS:

Material:

Insulator: PBT, Glass reinforced, rated UL 94V-0
 Insulator color: Blue
 Contacts: Copper Alloy
 Shell: Brass, Nickel plated
 Back Cover: SUS

Plating:

Gold over Nickel underplate on contact area,
 Tin over Copper underplate on solder tails.

Electrical:

Current rating: 1.8 Amp Pin 1 & Pin 4,
 0.25 Amp Other Contacts
 Contact resistance: 30 mΩ max Pin 1 & Pin 4,
 50 mΩ max Other Contacts.

Insulation resistance: 100 Mohms min.

Dielectric withstanding voltage: 100 VAC for 1 minute

Mechanical:

Mating Force: 35N Max.
 Un-mating Force: 10N Min.
 Durability: 1,500 Mating Cycles

Temperature Rating:

Operating temperature: 55°C to +85°C

Environmental:

Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED		
.X ± .10	∅X ± .10	
INCHES .XX ± .020	HOLES ∅XX ± .015	
.XXX ± .015	∅XXX ± .010	
DRAWN	AY	8/20/13
CHECKED	GH	8/20/13
APPROVED		
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909 Rahway Avenue,
 Union, NJ 07083
 Phone: 908-687-5000
 adam-tech.com

TITLE		UNIVERSAL SERIAL BUS, TYPE A 3.0, RIGHT ANGLE, DUAL PORT TRANSMISSION EFFICIENCY: 3.2 Gen 1 (5Gb/s)	
SIZE	PART NO.	REV.	
X	USB-A3-D-RA-A	B	
REF:	S00097C	SCALE:	NTS
		SHEET	1 OF 1