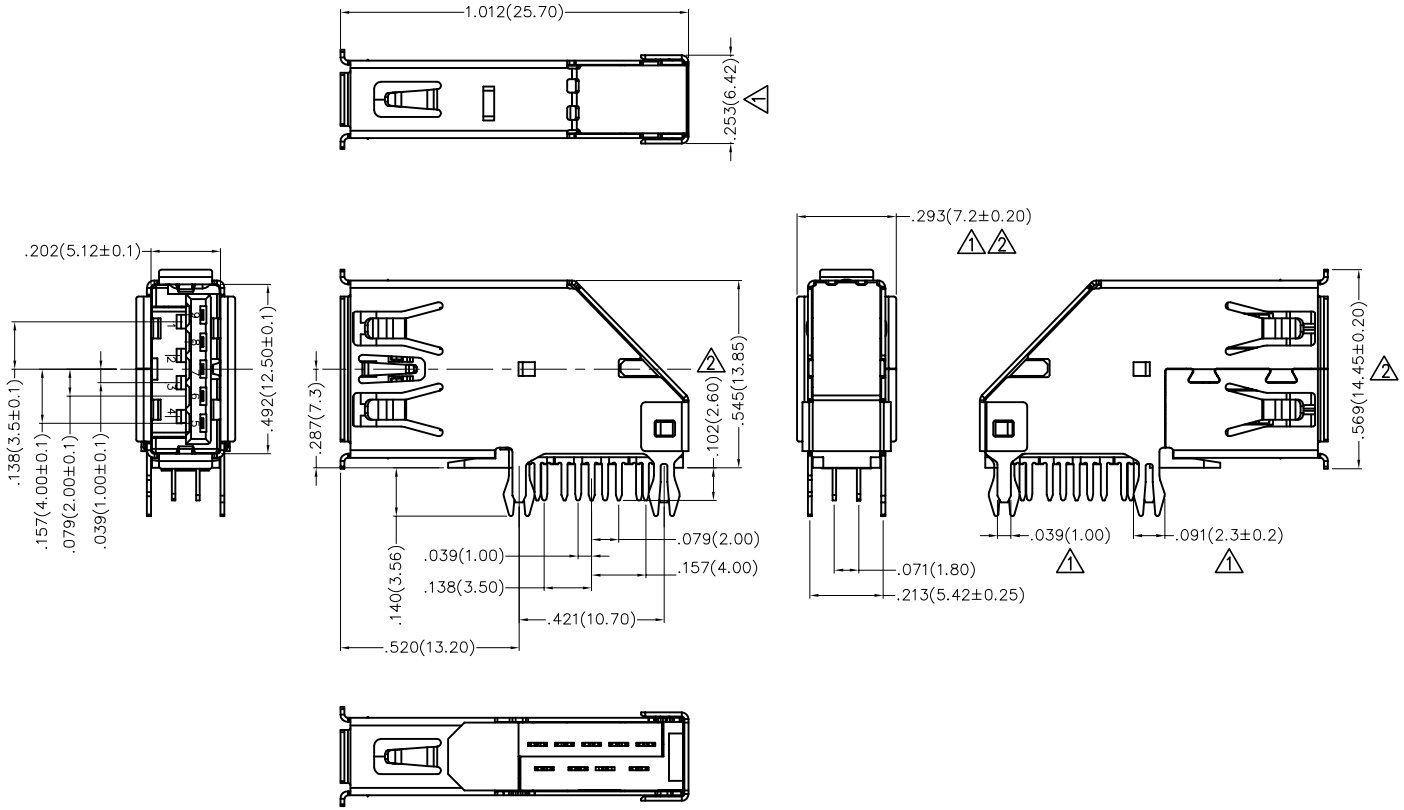
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	1	Size changes	19/MAR/21	KATE	CHERRY
2	2	Size & Material changes	20/MAY/24	MATT	LEO



SPECIFICATIONS

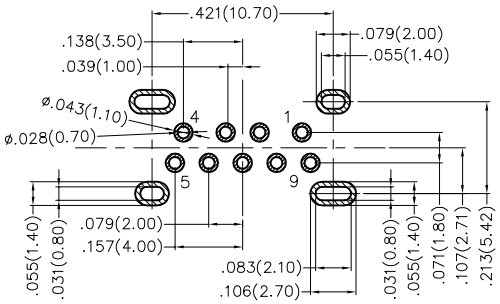
Electrical
- Current Rating: 1.8A AC(rms)/DC for Pin 1 & Pin 4
  0.25A for other contacts
- Voltage Rating: 30V AC(rms)/DC
- Contact Resistance: 30mΩ Max. for Pin 1 & Pin 4
  50mΩ Max. for other contacts
- Withstanding Voltage: 100V AC r.m.s
- Insulation Resistance: 100 MΩ Min.
- Temperature Range–Operating: −50°C~+85°C

Mechanical
- Insertion force: 3.57kgf Max.
- Withdrawal force: 1.02kgf Min.
  0.82kgf Min. after durability

Material
- Housing: LCP (UL 94V–0) Blue 2
- Terminal: Copper Alloy
- Shell: SUS

Plating
- Terminal: Gold 0.025um on contact area, tin on tail
- Shell: Nickel Plated

Pin #	SIGNAL NAME	DESCRIPTION
1	VBUS	POWER
2	D–	USB 2.0 DIFFERENTIAL PAIR
3	D+	
4	GND	GROUND FOR POWER RETUR
5	StdA_SSRX–	SUPERSPEED RECEIVER DIFFERENTIAL PAIR
6	StdA_SSRX+	
7	GND_DRAIN	GROUND FOR SIGNAL RETUR
8	StdA_SSTX–	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR
9	StdA_SSTX+	
Shell	Shield	CONNECTOR METAL SHELL



Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 17JUL/13	PART NO. FUS314–FDBU1K / ITEM NO. FUS314
DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.°±5°	CHECKED BY CHERRY	DATE 17/JUL/13	TITLE USB A–type 9Circuits 90°Angle Female(DIP)(3.0)
	X.X±.008(0.20)	.X°±2°			
SCALE 5:1 / SIZE A4	X.XX±.006(0.15)	.XX°±1°	DRAWN BY JACOB	DATE 17/JUL/13	REV 2 / SHEET NO. 1/1
	X.XXX±.004(0.10)	.XXX°±0.5°			

TXGA Building Technology Cornerstone

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