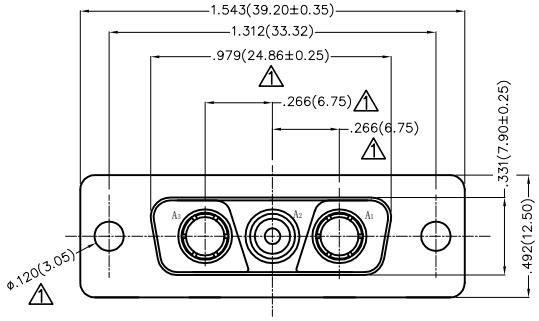
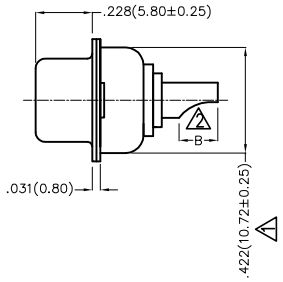
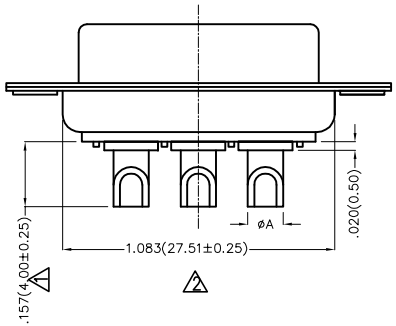
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	⚠1	Size change	23/Mar/20	KATE	CHERRY
2	⚠2	Add Size	01/JUN/22	MATT	CHERRY







1.Electrical Characteristic

1.1Current Rating

Power Contacts: 10 to 40A

1.2Voltage Rating: 300V

1.3Contact Resistance: 5Milliohms Max

1.4Insulation Resistance: 5000 Megaohms Min.

1.5Dielectric Withstanding Voltage : 1000V AC r.m.s Min

2.Materials And Finish

2.1Shell: Steel Material,Front Nickel Plated 80u" Min
Back Shell Tin Plated 100u" Min

2.2Insulator: Glass Filled Thermoplastic, UL 94V-0 ,Colour: Black

2.3Power Contacts: Bronze /Gold Plated 3u"~30u"

3.Temperature Range-Operating: -55°C ~ +105°C

Type	Part NO.	A	B⚠2	Wire	Current Rating(A)
A	FDV0312-F0WS1XXK6KA	ø.098(2.50)	.177(4.50)	14#~16#	10
B	FDV0312-F0WS1XXK6KB	ø.142(3.60)	.197(5.00)	10#~12#	20
C	FDV0312-F0WS1XXK6KC	ø.173(4.40)	.217(5.50)	8#~10#	30
D	FDV0312-F0WS1XXK6KD	ø.217(5.50)	.217(5.50)	6#~8#	40

Ordering Information

FDV	03	12	—	F0	W	S	1	XX	K6	K	X
1	2	3		4	5	6	7	8	9	10	11

1 Category: FDV-Power Type D-SUB Connectors

2 Circuits: 03-3Circuits

3 Distinction No.: 12

4 Type: F0-Female

5 Assembly Layout: W-Welding Type

6 Entry Angle: S-180° Vertical

7 Plating: 1-Gold Plated

8 Thickness of Plating: 01-1μ" 15-15μ".... Custom plate available

9 Color-Resin: K6-Black

10 Packaging: K-Tray

11 Distinction Type: A-Type A C-Type C B-Type B D-Type D

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/JUL/13	PART NO. FDV0312-F0WS1XXK6KX / ITEM NO. FDV0312-F
DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.°±5°	CHECKED BY CHERRY	DATE 19/JUL/13	TITLE: POWER MACHINED CONTACT FEMALE 3V3 CONN
SCALE 5:1 / SIZE A4	X.X±.008(0.20)	.X°±2°			REV 2 / SHEET NO. 1/1
	X.XX±.006(0.15)	.XX°±1°	DRAWN BY JACOB	DATE 19/JUL/13	
	X.XXX±.004(0.10)	.XXX°±0.5°			

TXGA Leader Of Industry

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION