

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Change the structure and size	24/AUG/20	KATE	CHERRY
2		Add marking code	15/MAY/25	KATE	LEO

SPECIFICATIONS

Electrical Characteristic

Current Rating:

Signal contacts: 7.5A

Power contacts: 10 to 40A

Voltage Rating: 300V

Contact Resistance: 5mΩ Max.

Insulation Resistance: 5000 MΩ Min.

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

Temperature Range—Operating: -55°C ~ +105°C

Material and plating

Shell: Steel, Nickel Plated 80μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Back Shell: Steel, Tin Plated 100μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Insulator: Glass Filled Thermoplastic (UL 94V-0)

Signal Contacts: Brass/ Gold Plated

Power Contacts: Brass/ Gold Plated

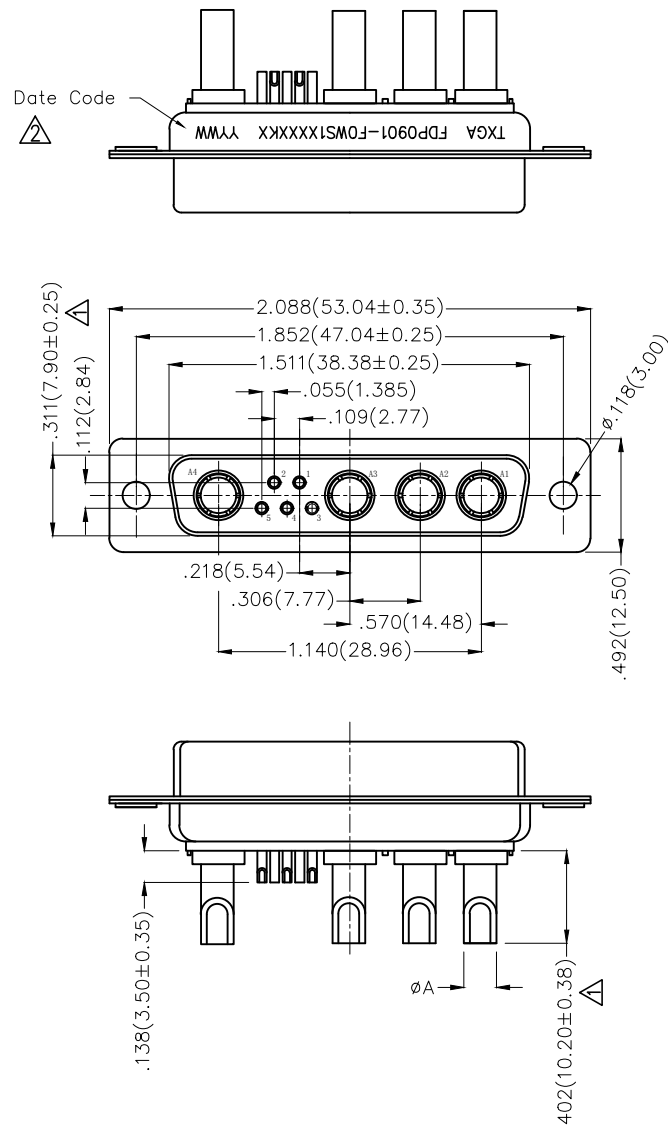
Type	Part NO.	øA	B	Wire	Current Rating(A)
A	FDP0901-FOWS1XXXXKA	.098(2.50)	.177(4.5)	14#~16#	10
B	FDP0901-FOWS1XXXXKB	.142(3.60)	.197(5.0)	10#~12#	20
C	FDP0901-FOWS1XXXXKC	.173(4.40)	.217(5.5)	8#~10#	30
D	FDP0901-FOWS1XXXXKD	.217(5.50)	.217(5.5)	6#~8#	40

Ordering Information

FDP 09 01 — F0 W S 1 XX XX K X
1 2 3 4 5 6 7 8 9 10 11

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout		
	FDP—Hight current D—SUB connector		09—9W4		01		F0—Female		W—Welding Type		
6	Entry Angle	7	Plating	8	Thickness of Plating	9	Color—Resin	10	Packaging	11	Distinction Type
	S—180° Vertical		1—Gold Plated		03—3μ" 15—15μ" Custom Plate Available		K6—Black GN—Green		K—Tray		A—Type A B—Type B C—Type C D—Type D

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone			
				FRANK	19/JUL/13	FDP0901-FOWS1XXXXKX	FDP0901-F				
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE Hight current D-SUB connector 9W4 180° Vertical Female		REV 2		SHEET NO. 1/1	
		X.X±.008(0.20)	.X"±2"	CHERRY	19/JUL/13						
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX"±1"	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		X.XXX±.004(0.10)	.XXX"±0.5"	JACOB	19/JUL/13						



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Power contacts: 10 to 40A

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Insulation Resistance: 5000 MΩ Min.

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

Temperature Range—Operating: -55°C ~ +105°C

Material and plating

Shell: Steel, Nickel Plated 80μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Back Shell: Steel, Tin Plated 100μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Insulator: Glass Filled Thermoplastic (UL 94V-0)

Signal Contacts: Brass/ Gold Plated

Power Contacts: Brass/ Gold Plated

Nuts: Steel/ Nickel Plated

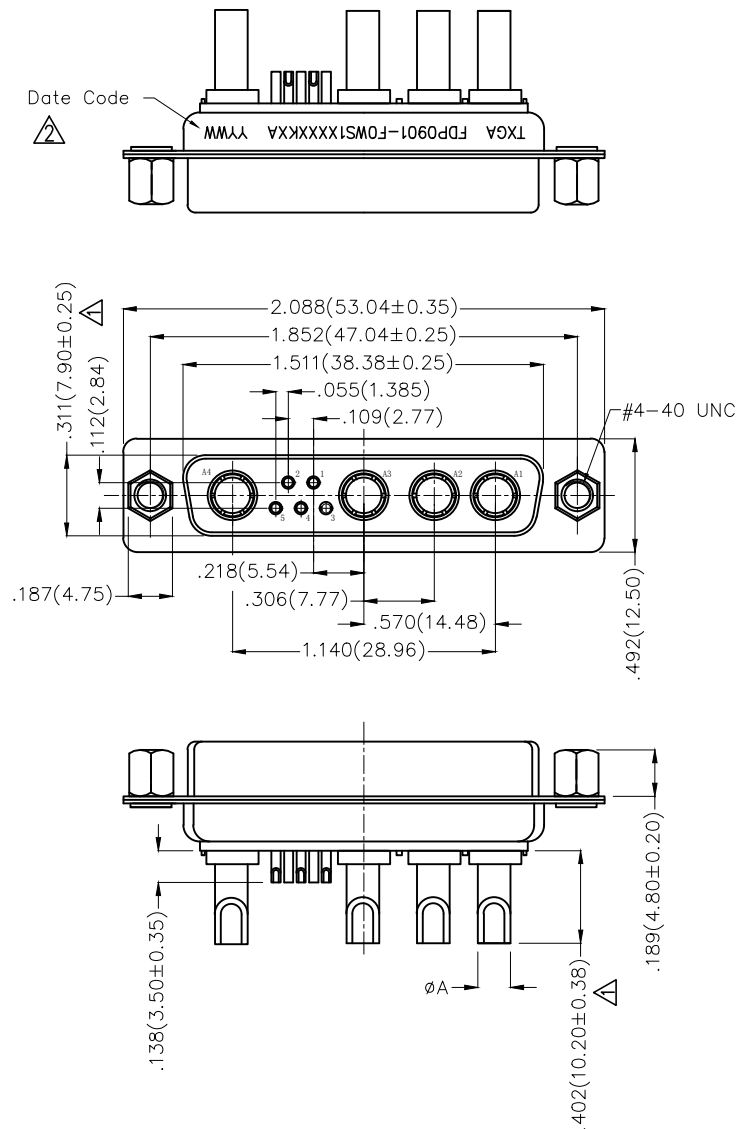
Type	Part NO.	φA	B	Wire	Current Rating(A)
A	FDP0901-FOWS1XXXXKAA	.098(2.50)	.177(4.5)	14#~16#	10
B	FDP0901-FOWS1XXXXKBA	.142(3.60)	.197(5.0)	10#~12#	20
C	FDP0901-FOWS1XXXXKCA	.173(4.40)	.217(5.5)	8#~10#	30
D	FDP0901-FOWS1XXXXKDA	.217(5.50)	.217(5.5)	6#~8#	40

Ordering Information

FDP	09	01	—	F0	W	S	1	XX	XX	K	X	A
1	2	3	4	5	6	7	8	9	10	11	12	

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout	6	Entry Angle
	FDP-Hight current D-SUB connector		09-9W4		01		F0-Female		W-Welding Type		S-180° Vertical
7	Plating	8	Thickness of Plating	9	Color-Resin	10	Packaging	11	Distinction Type	12	Product Type
	1-Gold Plated		03-3μ" 15-15μ" Custom Plate Available		K6-Black GN-Green		K-Tray		A-Type A B-Type B C-Type C D-Type D		A-Front Nut (H=4.8mm)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK		DATE 19/JUL/13		PART NO.		ITEM NO.		 Building Technology Cornerstone		
								FDP0901-FOWS1XXXXKXA		FDP0901-F				
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X'±5"	CHECKED BY CHERRY	DATE 19/JUL/13		TITLE Hight current D-SUB connector 9W4 180° Vertical Female				REV 2		SHEET NO. 1/1	
		X.X±.008(0.20)	.X'±2"											
		X.XX±.006(0.15)	.XX'±1"	DRAWN BY JACOB	DATE 19/JUL/13									
		X.XXX±.004(0.10)	.XXX'±0.5"											



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1		Change the structure and size	24/AUG/20	KATE	CHERRY
2		Add marking code	15/MAY/25	KATE	LEO

SPECIFICATIONS

Electrical Characteristic

Current Rating:

Signal contacts: 7.5A

Power contacts: 10 to 40A

Voltage Rating: 300V

Contact Resistance: 5mΩ Max.

Insulation Resistance: 5000 MΩ Min.

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

Temperature Range—Operating: -55°C ~ +105°C

Material and plating

Shell: Steel, Nickel Plated 80μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Back Shell: Steel, Tin Plated 100μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Insulator: Glass Filled Thermoplastic (UL 94V-0)

Signal Contacts: Brass/ Gold Plated

Power Contacts: Brass/ Gold Plated

Screws: Copper alloy/ Nickel Plated

Nuts: Steel/ Nickel Plated

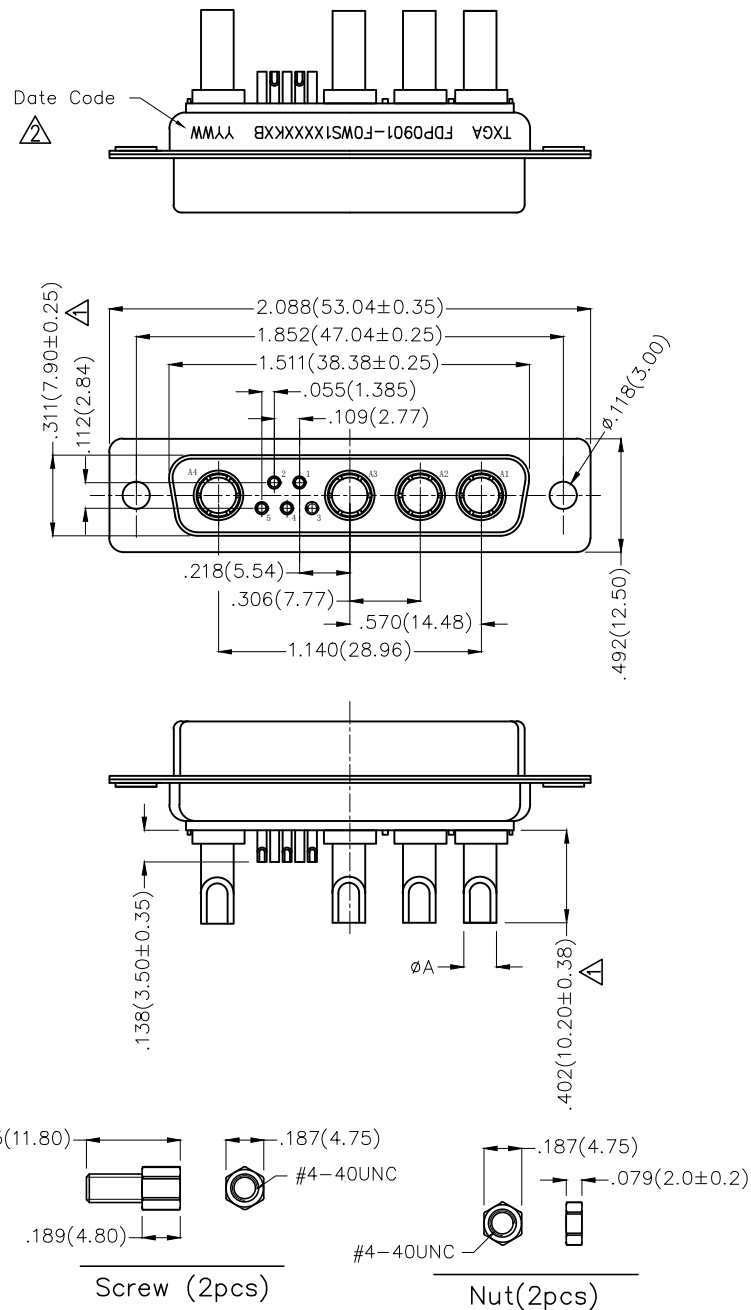
Type	Part NO.	φA	B	Wire	Current Rating(A)
A	FDP0901-FOWS1XXXXKAB	.098(2.50)	.177(4.5)	14#~16#	10
B	FDP0901-FOWS1XXXXKBB	.142(3.60)	.197(5.0)	10#~12#	20
C	FDP0901-FOWS1XXXXKCB	.173(4.40)	.217(5.5)	8#~10#	30
D	FDP0901-FOWS1XXXXKDB	.217(5.50)	.217(5.5)	6#~8#	40

Ordering Information

FDP	09	01	—	F0	W	S	1	XX	XX	K	X	B
1	2	3	4	5	6	7	8	9	10	11	12	

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout	6	Entry Angle
	FDP—Hight current D—SUB connector		09—9W4		01		F0—Female		W—Welding Type		S—180° Vertical
7	Plating	8	Thickness of Plating	9	Color—Resin	10	Packaging	11	Distinction Type	12	Product Type
	1—Gold Plated		03—3μ" 15—15μ" Custom Plate Available		K6—Black GN—Green		K—Tray		A—Type A B—Type B C—Type C D—Type D		B—With Screws and Nuts

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/JUL/13	PART NO. FDP0901-FOWS1XXXXKXB	ITEM NO. FDP0901-F	 Building Technology Cornerstone	
		X.±.012(0.30)	X'.±5'	CHECKED BY CHERRY	DATE 19/JUL/13	TITLE Hight current D-SUB connector 9W4 180° Vertical Female			
DESIGN UNITS Inch (metric)		X.XX±.008(0.20)	X'.±2'	DRAWN BY JACOB	DATE 19/JUL/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1'		REV 2	SHEET NO. 1/1			
		X.XXX±.004(0.10)	.XXX'±0.5'						



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1		Change the structure and size	24/AUG/20	KATE	CHERRY
2		Add marking code	15/MAY/25	KATE	LEO

SPECIFICATIONS

Electrical Characteristic

Current Rating:

Signal contacts: 7.5A

Power contacts: 10 to 40A

Voltage Rating: 300V

Contact Resistance: 5mΩ Max.

Insulation Resistance: 5000 MΩ Min.

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

Temperature Range—Operating: -55°C ~ +105°C

Material and plating

Shell: Steel, Nickel Plated 80μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Back Shell: Steel, Tin Plated 100μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Insulator: Glass Filled Thermoplastic (UL 94V-0)

Signal Contacts: Brass/ Gold Plated

Power Contacts: Brass/ Gold Plated

Nuts: Steel/ Nickel Plated

Type	Part NO.	φA	B	Wire	Current Rating(A)
A	FDP0901-FOWS1XXXXKAC	.098(2.50)	.177(4.5)	14#~16#	10
B	FDP0901-FOWS1XXXXKBC	.142(3.60)	.197(5.0)	10#~12#	20
C	FDP0901-FOWS1XXXXKCC	.173(4.40)	.217(5.5)	8#~10#	30
D	FDP0901-FOWS1XXXXKDC	.217(5.50)	.217(5.5)	6#~8#	40

Ordering Information

FDP	09	01	—	F0	W	S	1	XX	XX	K	X	C
1	2	3	4	5	6	7	8	9	10	11	12	

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout	6	Entry Angle
	FDP—Hight current D—SUB connector		09—9W4		01		F0—Female		W—Welding Type		S—180° Vertical
7	Plating	8	Thickness of Plating	9	Color—Resin	10	Packaging	11	Distinction Type	12	Product Type
	1—Gold Plated		03—3μ" 15—15μ" Custom Plate Available		K6—Black GN—Green		K—Tray		A—Type A B—Type B C—Type C D—Type D		C—Back Nut (H=4.0mm)

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 19/JUL/13	PART NO. FDP0901-FOWS1XXXXKXC	ITEM NO. FDP0901-F	 Building Technology Cornerstone	
		X±.012(0.30)	X*±5°	CHECKED BY CHERRY	DATE 19/JUL/13	TITLE Hight current D-SUB connector 9W4 180° Vertical Female			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X*±2°	DRAWN BY JACOB	DATE 19/JUL/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	X.X*±1°						
		X.XXX±.004(0.10)	XXX*±0.5°						
						REV 2		SHEET NO. 1/1	

A

B

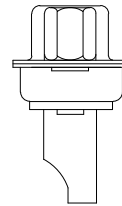
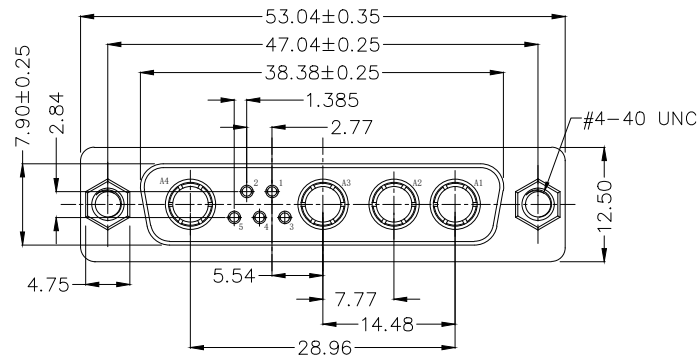
C

D

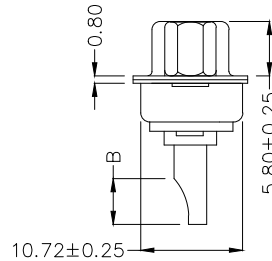
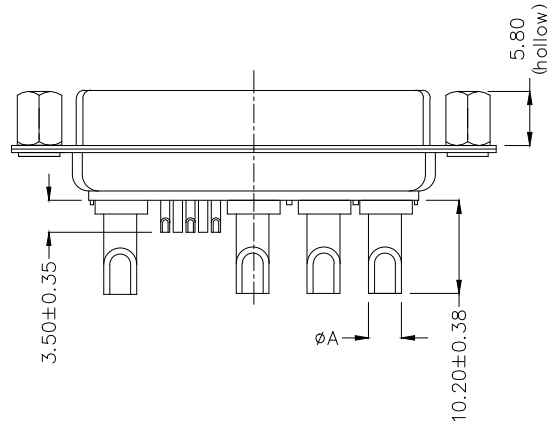
E

F

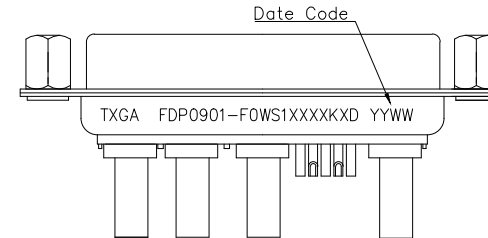
1	2	3	4	5	6	7	8
REV		LOCATIONS		DESCRIPTION		DATE	REVISED
							APPD



TYPE D



TYPE A,B,C



SPECIFICATIONS

Electrical Characteristic

Current Rating:

Signal contacts: 7.5A

Power contacts: 10 to 40A

Voltage Rating: 300V

Contact Resistance: 5mΩ Max.

Insulation Resistance: 5000 MΩ Min.

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

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

Material and plating

Shell: Steel, Nickel Plated 80μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Back Shell: Steel, Tin Plated 100μ" Min (For Black Resin)

Stainless Steel, Nickel Plated 80μ" Min (For Green Resin)

Insulator: Glass Filled Thermoplastic (UL 94V-0)

Signal Contacts: Brass/ Gold Plated

Power Contacts: Brass/ Gold Plated

Nuts: Copper Alloy/Nickel Plated

Ordering Information

<u>FDP</u>	<u>09</u>	<u>01</u>	—	<u>F0</u>	<u>W</u>	<u>S</u>	<u>1</u>	<u>XX</u>	<u>XX</u>	<u>K</u>	<u>X</u>	<u>D</u>
1	2	3		4	5	6	7	8	9	10	11	12

1	Category	2	Circuits	3	Distinction No.	4	Type	5	Assembly Layout	6	Entry Angle
	FDP-Hight current D-SUB connector		09-9W4		01		F0-Female		W-Welding Type		S-180° Vertical
7	Plating	8	Thickness of Plating	9	Color-Resin	10	Packaging	11	Distinction Type	12	Distinction Type
	1-Gold Plated		03-0.075μm 15-0.125μm Custom plate available		K6-Black GN-Green		K-Tray		A-Type A B-Type B C-Type C D-Type D		D-Front Nut(5.8mm)

Type	Part NO.	ØA	B	Wire	Current Rating(A)
A	FDP0901-FOWS1XXXXKAD	2.50	4.5	14#~16#	10
B	FDP0901-FOWS1XXXXKBD	3.60	5.0	10#~12#	20
C	FDP0901-FOWS1XXXXKCD	4.40	5.5	8#~10#	30
D	FDP0901-FOWS1XXXXKDD	5.50	5.5	6#~8#	40

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 24/SEP/24	PART NO. FDP0901-FOWS1XXXXKXD	ITEM NO. FDP0901-F	 Building Technology Cornerstone	
		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE Hight current D-SUB connector 9W4 180° Vertical Female			
DESIGN UNITS METRIC		X.X ±0.20	X.X* ±2°	GISELLE	24/SEP/24			REV 0	SHEET NO. 1/1
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX* ±1°	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		XXX ±0.10	XXX* ±0.5°	NICK	24/SEP/24				

1	2	3	4	5	6	7	8
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