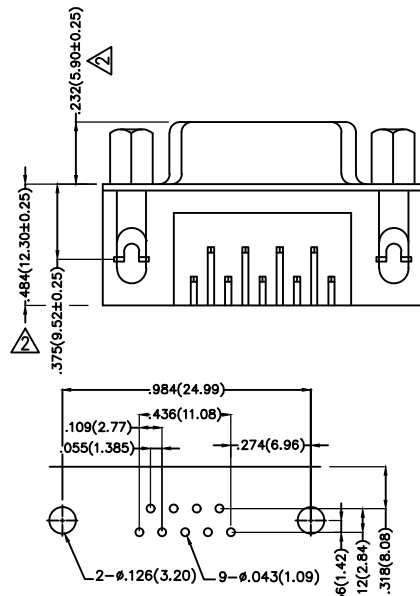
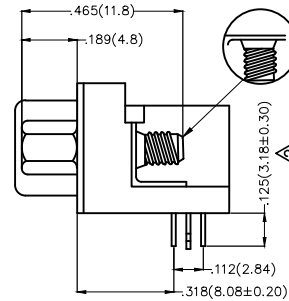
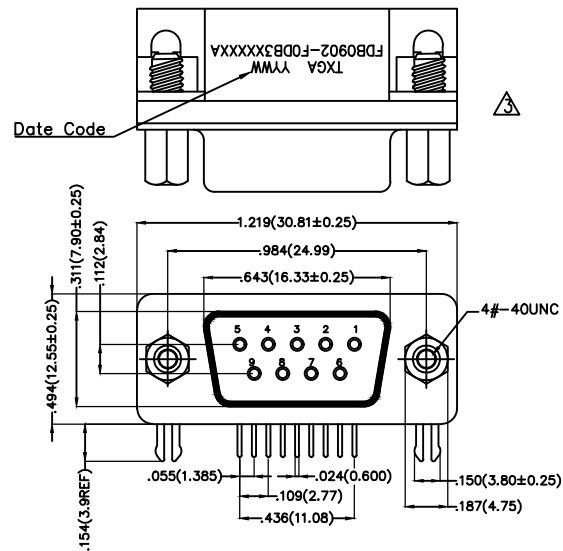




Recommended P.C.Board Layout

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size 18.35 Change to 18.10	13/AUG/2020	CHERRY	KATE
2		Size changes	18/JUN/21	KATE	CHERRY
3		Add marking code	13/Jan/25	NICK	LEO

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -55°C~+105°C

Material and Plating

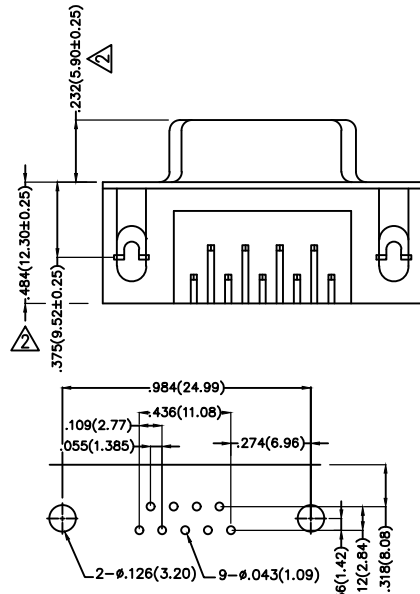
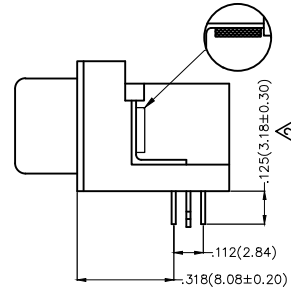
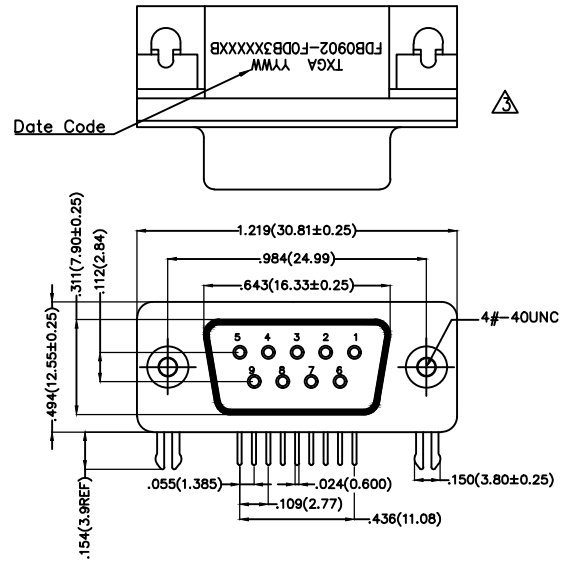
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail

Ordering Information

FDB 09 02 — F0 D B 3 XX XX X A
1 2 3 4 5 6 7 8 9 10 11

1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 02	4	Type F0-Female	5	Assembly Layout D-DIP	6	Entry Angle B-90° Angle
7	Plating 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging L-Tube K-Tray	11	Distinction Type A-A Type		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0902-F0DB3XXXXXA	ITEM NO. FDB0902	 Building Technology Cornerstone	
	X.±.012(0.30) X.±5°		CHECKED BY	DATE	TITLE D-SUB Connectors 9 Circuits 90° Angle Female		REV 3	SHEET NO. 1/1
	X.X±.008(0.20) X.±2°		JACOB	28/JUN/13				
	DESIGN UNITS Inch (metric)	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		
SCALE 5:1	SIZE A4	X.XXX±.004(0.10) XXX±0.5°	CHERRY	28/JUN/13				



Recommended P.C.Board Layout

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size 18.35 Change to 18.10	13/AUG/2020	CHERRY	KATE
2		Size changes	18/JUN/21	KATE	CHERRY
3		Add marking code	13/Jan/25	NICK	LEO

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -55°C~+105°C

Material and Plating

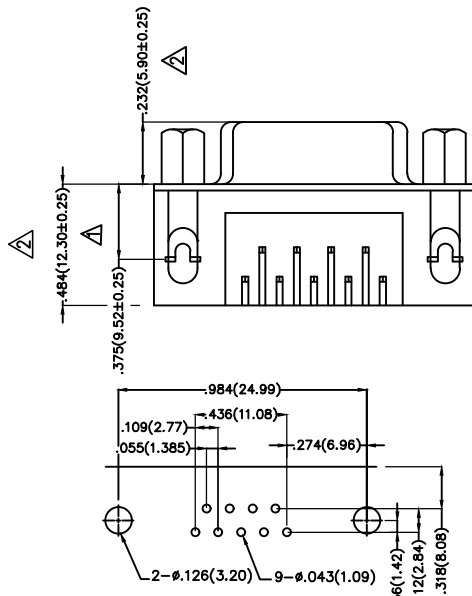
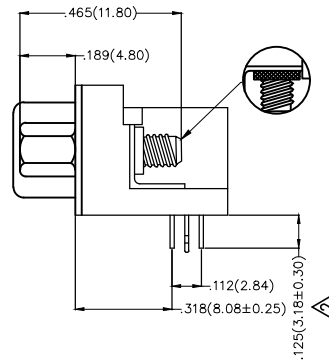
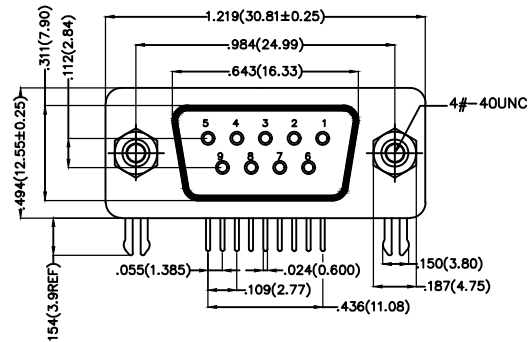
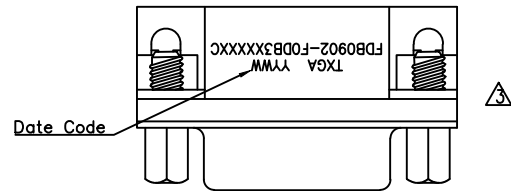
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail

Ordering Information

FDB 09 02 — F0 D B 3 XX XX X B
1 2 3 4 5 6 7 8 9 10 11

1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 02	4	Type F0-Female	5	Assembly Layout D-DIP	6	Entry Angle B-90° Angle
7	Plating 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging L-Tube K-Tray	11	Distinction Type B-B Type		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0902-F0DB3XXXXXB	ITEM NO. FDB0902	 Building Technology Cornerstone		
			CHECKED BY JACOB	DATE 28/JUN/13	TITLE D-SUB Connectors 9 Circuits 90° Angle Female				REV 3
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X'.±5" 'X'±2" 'XX'±1" 'XXX'±0.5"	DRAWN BY CHERRY	DATE 28/JUN/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							



Recommended P.C.Board Layout

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Size 18.35 Change to 18.10	13/AUG/2020	CHERRY	KATE
2	△	Size changes	18/JUN/21	KATE	CHERRY
3	△	Add marking code	13/Jan/25	NICK	LEO

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range-Operating: -55°C~+105°C

Material and Plating

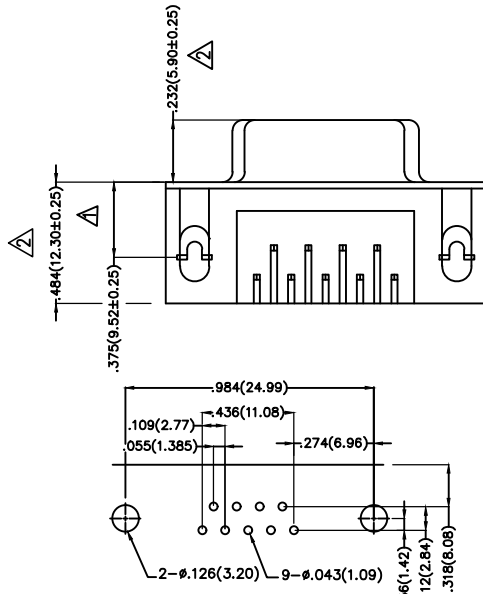
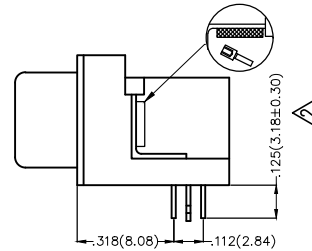
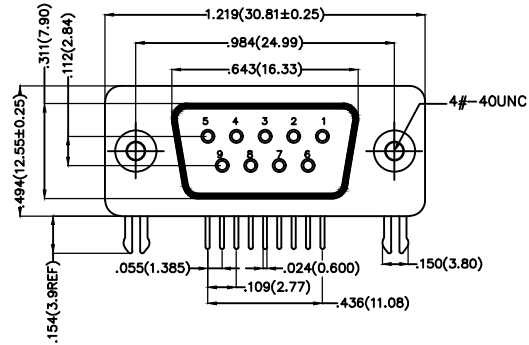
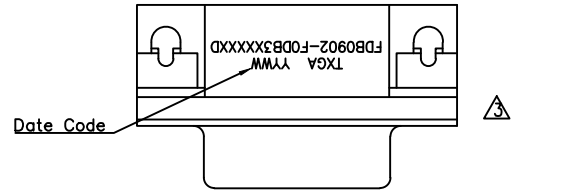
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail

Ordering Information

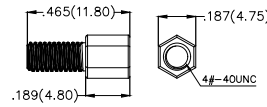
FDB 09 02 — F0 D B 3 XX XX X C
1 2 3 4 5 6 7 8 9 10 11

1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 02	4	Type F0-Female	5	Assembly Layout D-DIP	6	Entry Angle B-90° Angle
7	Plating 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging L-Tube K-Tray	11	Distinction Type C-C Type		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0902-F0DB3XXXXXC	ITEM NO. FDB0902	 Building Technology Cornerstone	
	X.±.012(0.30) X.±5°		CHECKED BY	DATE	TITLE D-SUB Connectors 9 Circuits 90° Angle Female		REV 3 SHEET NO. 1/1	
	X.X±.008(0.20) X.±2°		JACOB	28/JUN/13				
	X.XX±.006(0.15) XX±1°		DRAWN BY	DATE				
DESIGN UNITS Inch (metric)	X.XXX±.004(0.10) XXX±0.5°		CHERRY	28/JUN/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							



Recommended P.C.Board Layout



Screw (2pcs)

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size 18.35 Change to 18.10	13/AUG/2020	CHERRY	KATE
2		Size changes	18/JUN/21	KATE	CHERRY
3		Add marking code	13/Jan/25	NICK	LEO

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -55°C~+105°C

Material and Plating

Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail

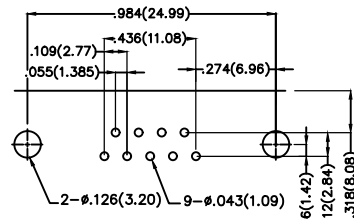
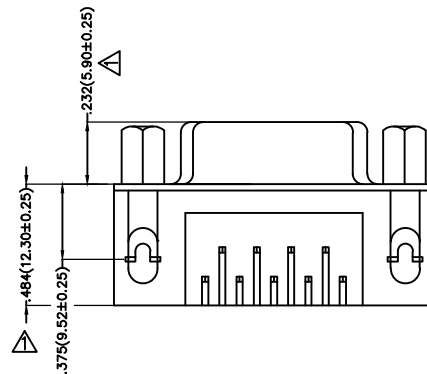
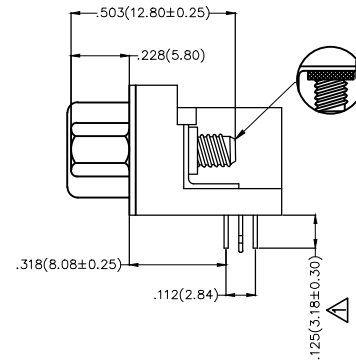
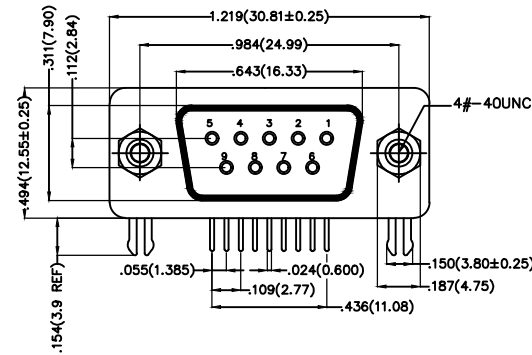
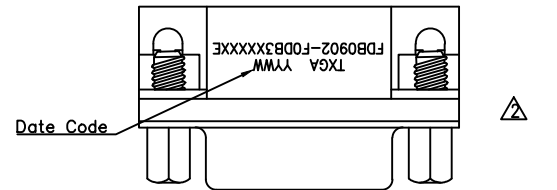
Ordering Information

FDB 09 02 — F0 D B 3 XX XX X D
1 2 3 4 5 6 7 8 9 10 11

1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 02	4	Type F0-Female	5	Assembly Layout D-DIP	6	Entry Angle B-90° Angle
7	Plating 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging L-Tube K-Tray	11	Distinction Type D-D Type		

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0902-F0DB3XXXXXD	ITEM NO. FDB0902	 Building Technology Cornerstone	
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X.±5°	CHECKED BY	DATE 28/JUN/13	TITLE D-SUB Connectors 9 Circuits 90° Angle Female		REV 3	SHEET NO. 1/1
SCALE 5:1		X.XX±.006(0.15)	.XX°±1°	DRAWN BY	DATE 28/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SIZE A4		X.XXX±.004(0.10)	.XXX°±0.5°	CHERRY					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size changes	01/APR/20	KATE	CHERRY
2		Add marking code	13/Jan/25	NICK	LEO



Recommended P.C.Board Layout

Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -55°C~+105°C

Material and Plating

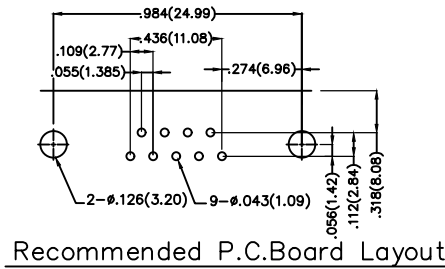
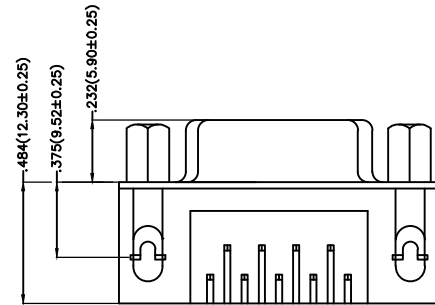
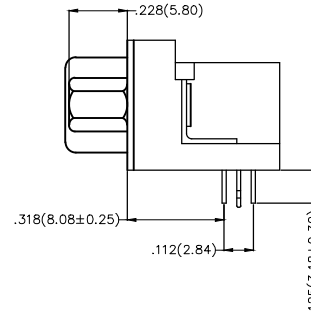
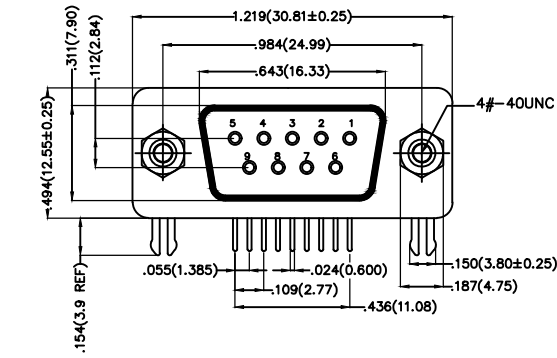
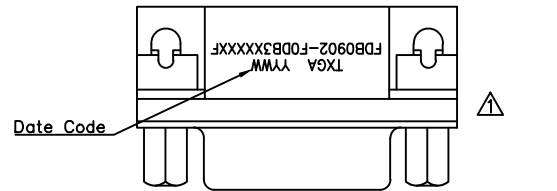
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail

Ordering Information

FDB 09 02 — F0 D B 3 XX XX X E
1 2 3 4 5 6 7 8 9 10 11

1 Category FDB-D-SUB Connectors	2 Circuits 09-9Circuits	3 Distinction No. 02	4 Type F0-Female	5 Assembly Layout D-DIP	6 Entry Angle B-90° Angle
7 Plating 3-Selective gold in contact area, tin on tail	8 Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9 Color-Resin K6-Black U1-Blue	10 Packaging L-Tube K-Tray	11 Distinction Type E-E Type	

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0902-F0DB3XXXXXE	ITEM NO. FDB0902	 Building Technology Cornerstone	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2°	JACOB	28/JUN/13	D-SUB Connectors 9 Circuits 90° Angle Female		REV 2	SHEET NO. 1/1
		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			
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX'±0.5°	CHERRY	28/JUN/13				



Electrical

Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -55°C~+105°C

Material and Plating

Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail

Ordering Information

FDB 09 02 — F0 D B 3 XX XX X F
1 2 3 4 5 6 7 8 9 10 11

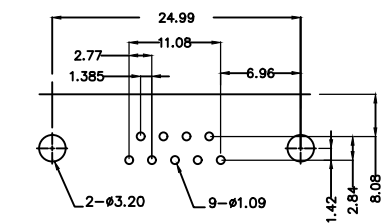
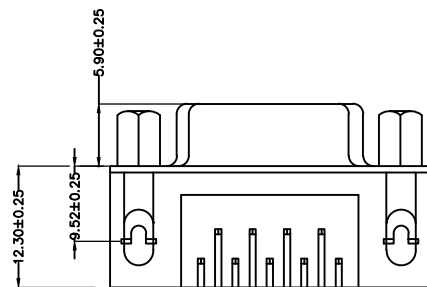
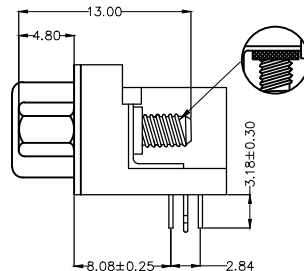
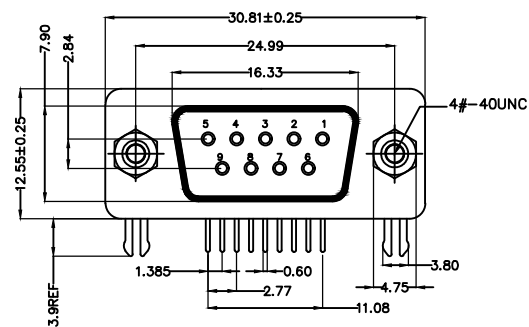
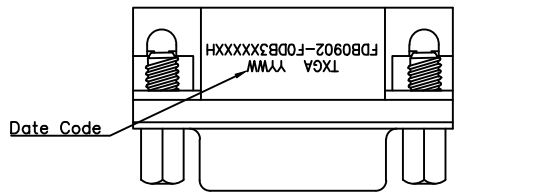
1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 02	4	Type F0-Female	5	Assembly Layout D-DIP	6	Entry Angle B-90° Angle
7	Plating 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging L-Tube K-Tray	11	Distinction Type F-F Type		

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 20/NOV/24	PART NO. FDB0902-F0DB3XXXXXF	ITEM NO. FDB0902	 Building Technology Cornerstone		
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X.±5" .X±2" .XX±1" .XXX±0.5"	CHECKED BY JACOB	DATE 20/NOV/24	TITLE D-SUB Connectors 9 Circuits 90° Angle Female			REV 1
	SCALE 5:1	SIZE A4	DRAWN BY MATT	DATE 20/NOV/24	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Change screw material	12/May/25	NICK	LEO

Electrical
Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range-Operating: -55°C~+105°C

Material and Plating
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze
Plating: Selective gold in contact area, tin on tail
 Screws: Carbon steel/ Nickel Plated



Recommended P.C.Board Layout

Ordering Information

FDB 09 02 — F0 D B 3 XX XX X H
1 2 3 4 5 6 7 8 9 10 11

1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 02	4	Type F0-Female	5	Assembly Layout D-DIP	6	Entry Angle B-90° Angle
7	Plating 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging L-Tube K-Tray	11	Distinction Type H-H Type		

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 02/AUG/23	PART NO. FDB0902-F0DB3XXXXXH	ITEM NO. FDB0902	 Building Technology Cornerstone			
DESIGN UNITS METRIC		X. ±0.30	X.* ±5°	CHECKED BY	DATE	TITLE D-SUB Connectors 9 Circuits 90° Angle Female		REV 1		SHEET NO. 1/1	
		X.X ±0.20	X.X* ±2°	GISELLE	02/AUG/23						
		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					
		X.XXX ±0.10	X.XXX* ±0.5°	NICK	02/AUG/23						
SCALE 5:1	SIZE A4										