

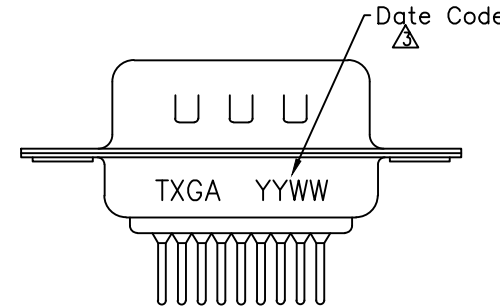
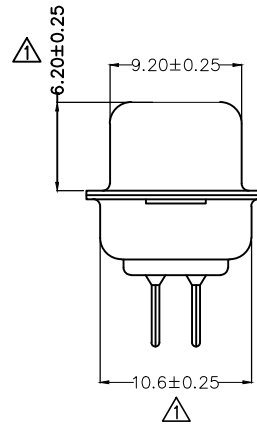
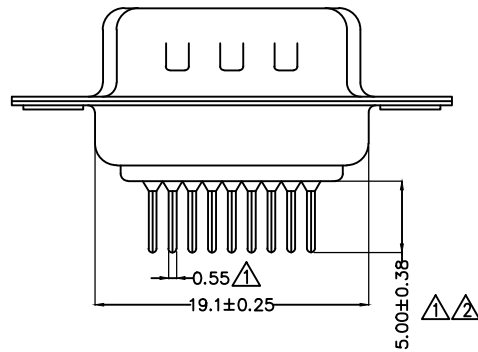
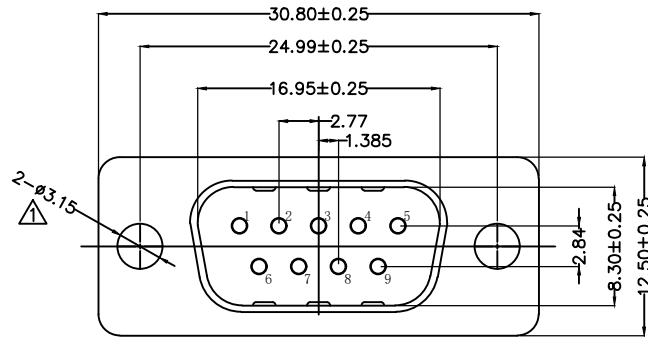
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size changes	22/MAR/22	MATT	CHERRY
2		New Drawing & Size changes	09/JUL/2024	MATT	LEO
3		Add marking code	13/Jan/25	NICK	LEO

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

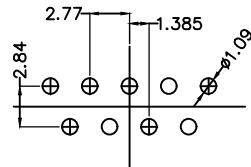
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Screw: Copper Alloy/ Nickel Plated
Board Lock: Copper Alloy/ Tin Plated



Ordering Information

FDB 09 03 — M0 D S X 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. 03	4	Type M0-Male	5	Assembly Layout D-DIP	6	Entry Angle S-180° Vertical
7	Plating 1-Gold plated 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 K-Tray	11	Distinction Type A-A Type		



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0903—MODSXXXXXXA		ITEM NO. FDB0903		 Building Technology Cornerstone	
	X.±0.30 X.'±5"		CHECKED BY	DATE	TITLE D—SUB Connector 9 Circuits 180° Vertical Male		REV 3 SHEET NO. 1/1			
	X.X±0.20 .X'±2"		JACOB	28/JUN/13						
	DESIGN UNITS Metric (mm)	X.XX±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	X.XXX±0.10 .XXX'±0.5"		CHERRY	28/JUN/13						
SIZE A4										

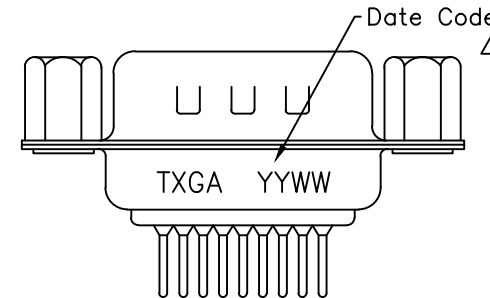
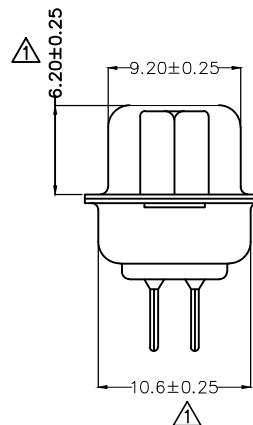
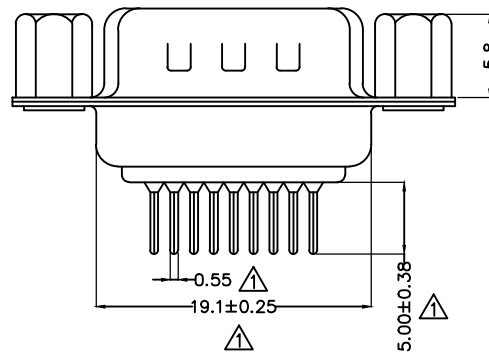
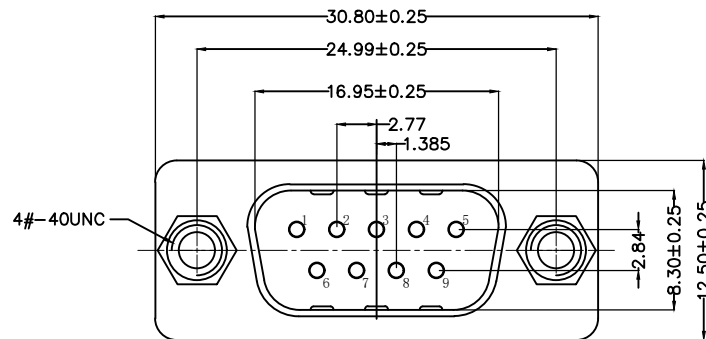
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		New Drawing & Size changes	09/JUL/2024	MATT	LEO
2		Add marking code	13/Jan/25	NICK	LEO

Electrical

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

Material and Plating

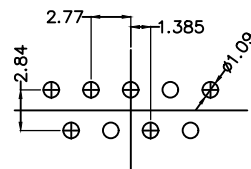
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Screw: Copper Alloy/ Nickel Plated



Ordering Information

FDB 09 03 — M0 D S X XX XX X B
1 2 3 4 5 6 7 8 9 10 11

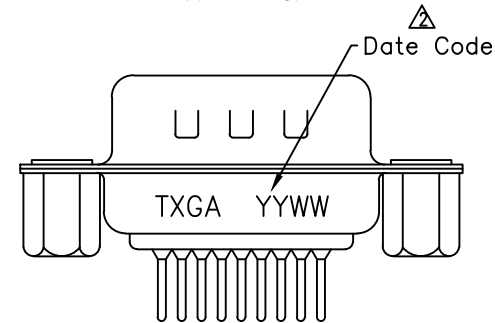
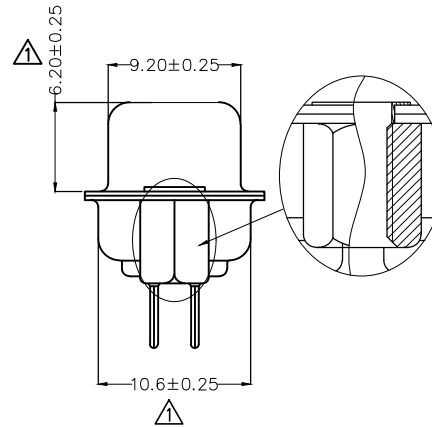
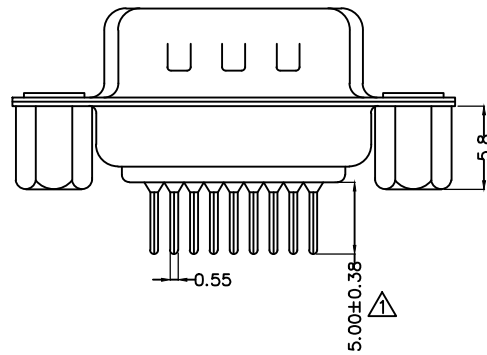
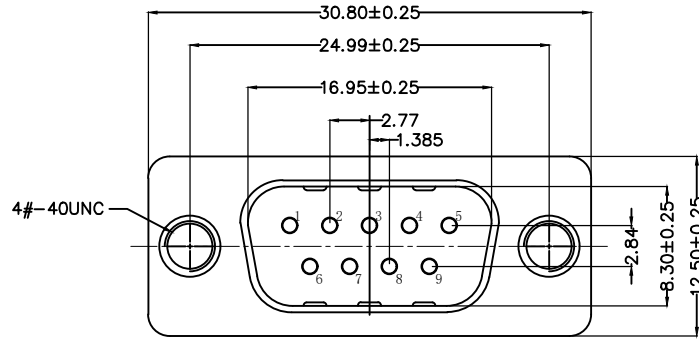
1	Category FDB—D—SUB Connectors	2	Circuits 09—9Circuits	3	Distinction No. 03	4	Type M0—Male	5	Assembly Layout D—DIP	6	Entry Angle S—180° Vertical
7	Plating 1—Gold plated 3—Selective gold in contact area, tin on tail	8	Thickness of Plating 00—Gold Flash 03—3μ" Custom plate available	9	Color—Resin K6—Black U1—Blue	10	Packaging K—Tray	11	Distinction Type B—B Type		



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0903—MODSXXXXXXB	ITEM NO. FDB0903	 Leader Of Industry	
		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 Connector 9 Circuits 180° Vertical Male		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				

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		New Drawing & Size changes	09/JUL/2024	MATT	LEO
2		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

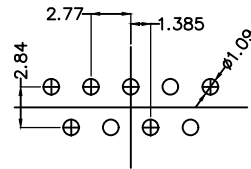
Material and Plating

Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Screw: Copper Alloy/ Nickel Plated

Ordering Information

FDB 09 03 — M0 D S X 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. 03	4	Type M0—Male	5	Assembly Layout D—DIP	6	Entry Angle S—180° Vertical
7	Plating 1—Gold plated 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 K—Tray	11	Distinction Type E—E Type		



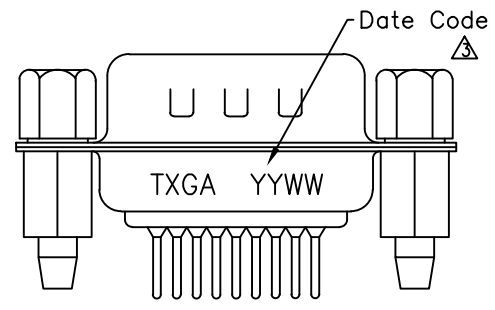
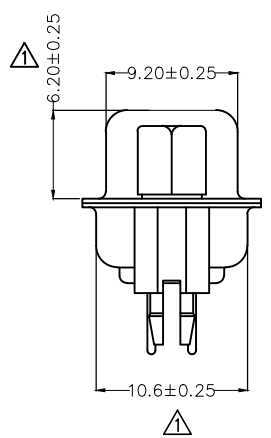
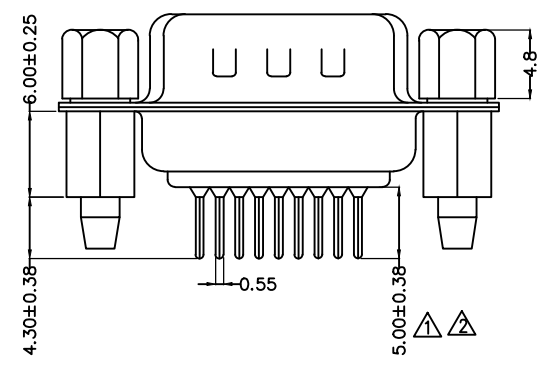
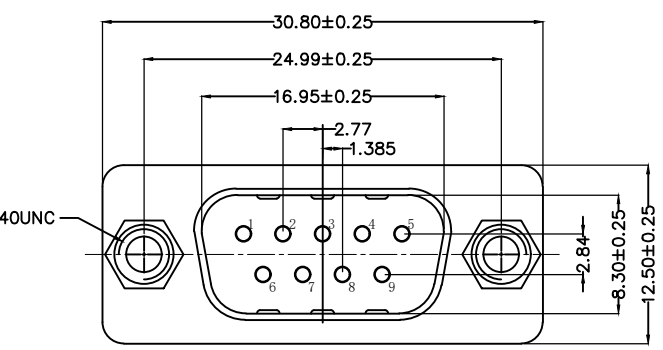
Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0903—M0DSXXXXXXE	ITEM NO. FDB0903	 Leader Of Industry		
DESIGN UNITS Inch (metric)		X.±.012(0.30)	X'±5"	CHECKED BY JACOB	DATE 28/JUN/13	TITLE D—SUB Connector 9 Circuits 180° Vertical Male				REV 2
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX'±1"	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				
		X.XXX±.004(0.10)	.XXX'±0.5"							

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Size changes	11/JUN/21	KATE	CHERRY
2		New Drawing & Size changes	09/JUL/2024	MATT	LEO
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

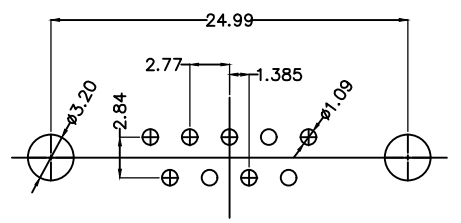
Material and Plating
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Screw: Copper Alloy/ Nickel Plated
Board Lock: Copper Alloy/ Tin Plated



Ordering Information

FDB 09 03 — M0 D S X XX XX X F
1 2 3 4 5 6 7 8 9 10 11

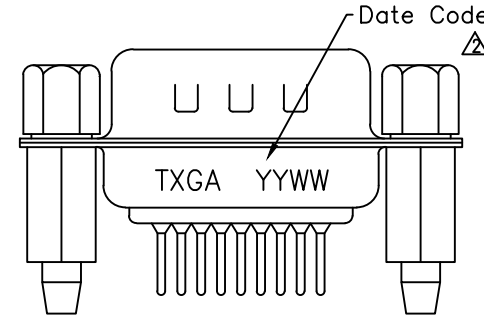
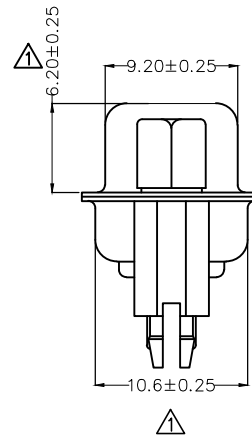
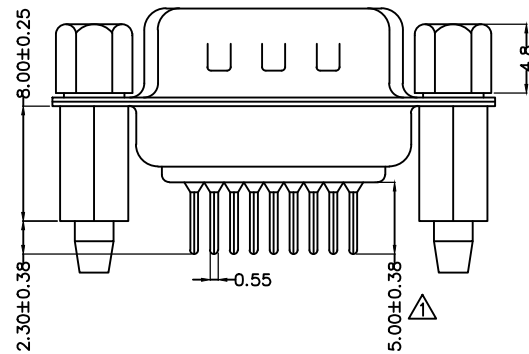
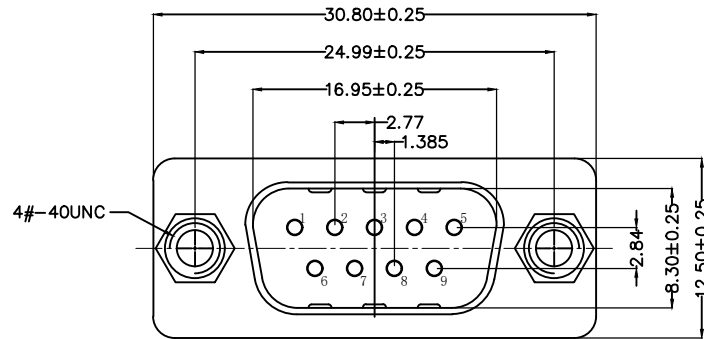
1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 03	4	Type M0-Male	5	Assembly Layout D-DIP	6	Entry Angle S-180° Vertical
7	Plating 1-Gold plated 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging K-Tray	11	Distinction Type F-F Type		



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone	
				FRANK	28/JUN/13	FDB0903-M0DSXXXXXXF	FDB0903		
DESIGN UNITS Metric(mm)		X.±0.30	X.±5°	CHECKED BY	DATE	TITLE D-SUB Connector 9 Circuits 180° Vertical Male		REV 3	SHEET NO. 1/1
		X.X±0.20	.X'±2°	JACOB	28/JUN/13				
SCALE 5:1	SIZE A4	X.XX±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±0.10	.XXX'±0.5°	CHERRY	28/JUN/13				

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		New Drawing & Size changes	09/JUL/2024	MATT	LEO
2		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

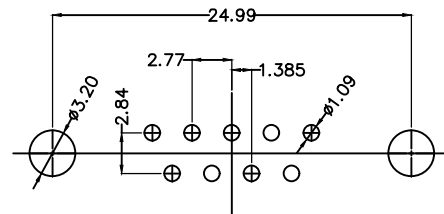
Material and Plating

Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Screw: Copper Alloy/ Nickel Plated
Board Lock: Copper Alloy/ Tin Plated

Ordering Information

FDB 09 03 — M0 D S X XX XX X G
1 2 3 4 5 6 7 8 9 10 11

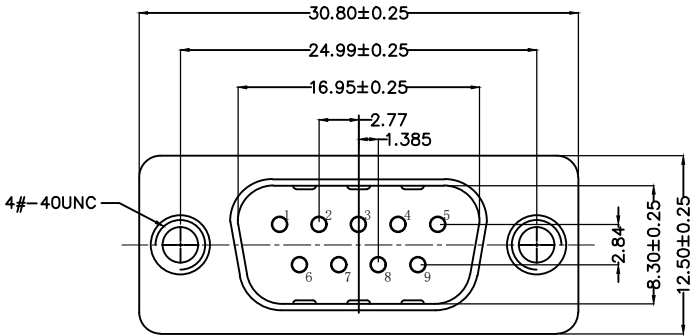
1	Category FDB—D—SUB Connectors	2	Circuits 09—9Circuits	3	Distinction No. 03	4	Type M0—Male	5	Assembly Layout D—DIP	6	Entry Angle S—180° Vertical
7	Plating 1—Gold plated 3—Selective gold in contact area, tin on tail	8	Thickness of Plating 00—Gold Flash 03—3μ" Custom plate available	9	Color—Resin K6—Black U1—Blue	10	Packaging K—Tray	11	Distinction Type G—G Type		



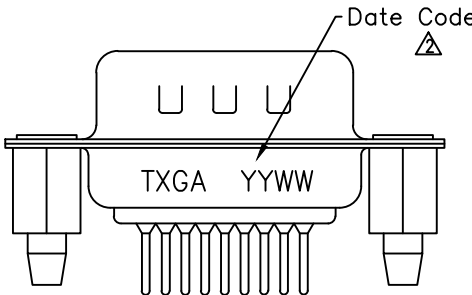
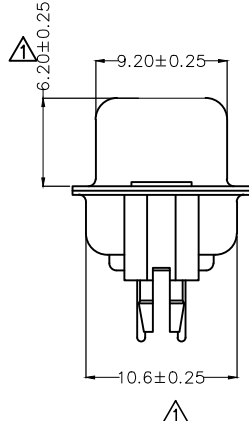
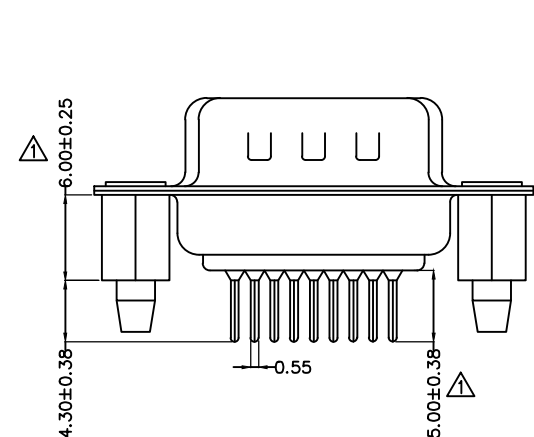
Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0903—MODSXXXXXXG	ITEM NO. FDB0903	 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 28/JUN/13	TITLE D—SUB Connector 9 Circuits 180° Vertical Male		REV 2	SHEET NO. 1/1
	SCALE 5:1	SIZE A4	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				

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		New Drawing & Size changes	09/JUL/2024	MATT	LEO
2		Add marking code	13/Jan/25	NICK	LEO



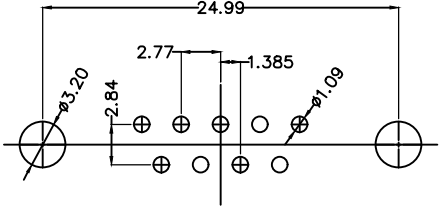
Electrical
Current Rating: 3A AC(rms)/DC
Voltage Rating: 250V AC(rms)/DC
Contact Resistance: 25 mΩ Max
Insulation Resistance: 1000 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -55°C~+105°C
Material and Plating
Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Board Lock: Copper Alloy/ Tin Plated



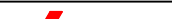
Ordering Information

FDB 09 03 — M0 D S X XX XX X H
1 2 3 4 5 6 7 8 9 10 11

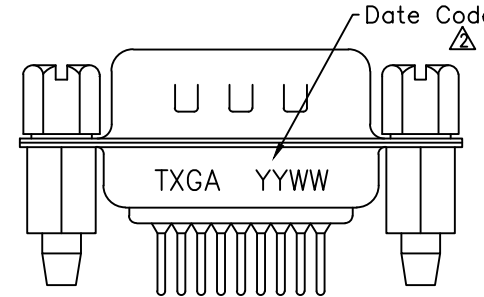
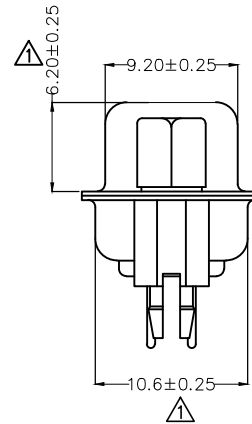
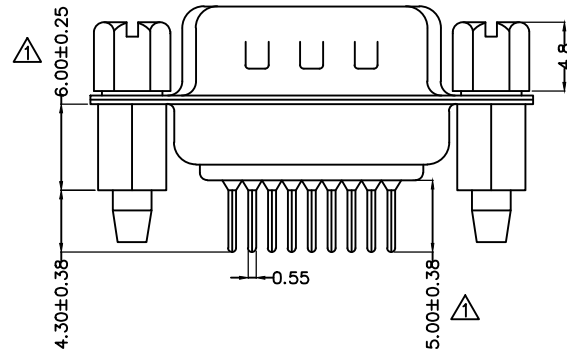
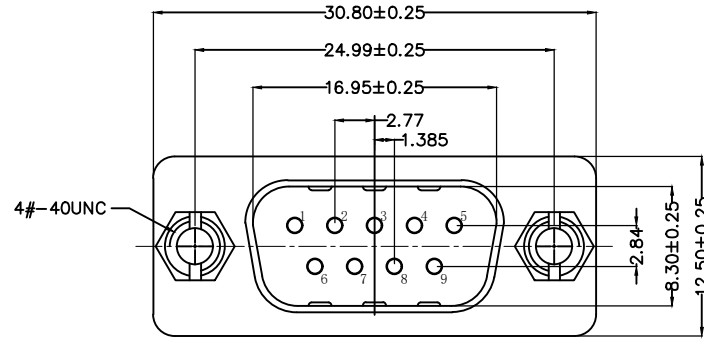
1	Category FDB-D-SUB Connectors	2	Circuits 09-9Circuits	3	Distinction No. 03	4	Type M0-Male	5	Assembly Layout D-DIP	6	Entry Angle S-180° Vertical
7	Plating 1-Gold plated 3-Selective gold in contact area, tin on tail	8	Thickness of Plating 00-Gold Flash 03-3μ" Custom plate available	9	Color-Resin K6-Black U1-Blue	10	Packaging K-Tray	11	Distinction Type H-H Type		



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0903-M0DSXXXXXXH	ITEM NO. FDB0903	 Building Technology Cornerstone	
		X.±.012(0.30)	X.±5°	CHECKED BY JACOB	DATE 28/JUN/13	TITLE D-SUB Connector 9 Circuits 180° Vertical Male			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	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			
		X.XX±.006(0.15)	.XX°±1°						
SCALE 5:1	SIZE A4	X.XXX±.004(0.10)	.XXX°±0.5°			REV 2			SHEET NO. 1/1

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	New Drawing & Size changes	09/JUL/2024	MATT	LEO
2	△	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

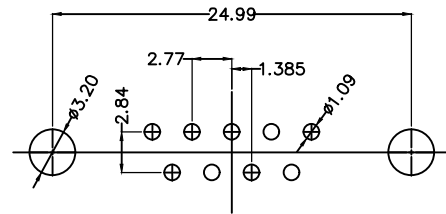
Material and Plating

Housing: PBT(UL 94V-0)
Contact Pin: Phosphor Bronze/
Selective gold in contact area, tin on tail
Shell: SPCC/ Nickel plated
Screw: Copper Alloy/ Nickel Plated
Board Lock: Copper Alloy/ Tin Plated

Ordering Information

FDB 09 03 — M0 D S X XX XX X J
1 2 3 4 5 6 7 8 9 10 11

1	Category FDB—D—SUB Connectors	2	Circuits 09—9Circuits	3	Distinction No. 03	4	Type M0—Male	5	Assembly Layout D—DIP	6	Entry Angle S—180° Vertical
7	Plating 1—Gold plated 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 K—Tray	11	Distinction Type J—J Type		



Recommended P.C.Board Layout

 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FDB0903—M0DSXXXXXXJ	ITEM NO. FDB0903	 Building Technology Cornerstone	
		X.±.012(0.30)	X'±5°	CHECKED BY	DATE	TITLE D—SUB Connector 9 Circuits 180° Vertical Male			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	.X'±2°	JACOB	28/JUN/13			REV 2	
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°	CHERRY	28/JUN/13				