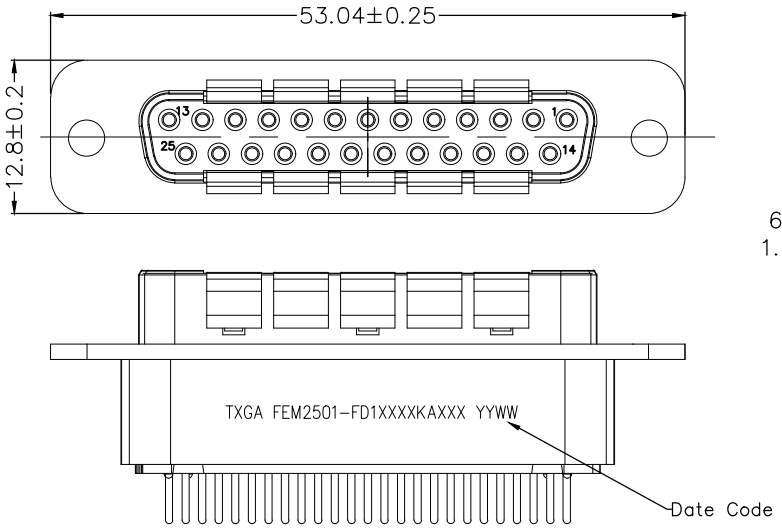
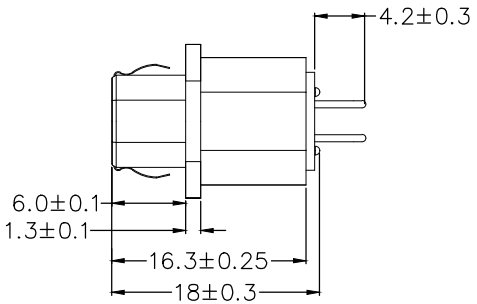
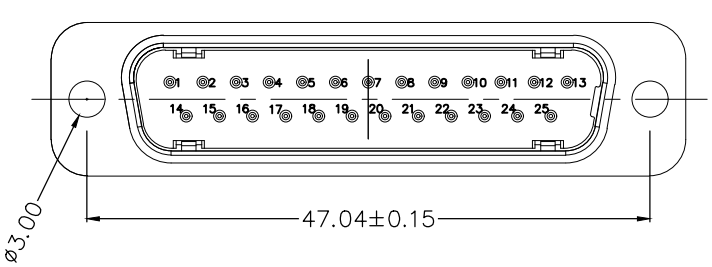
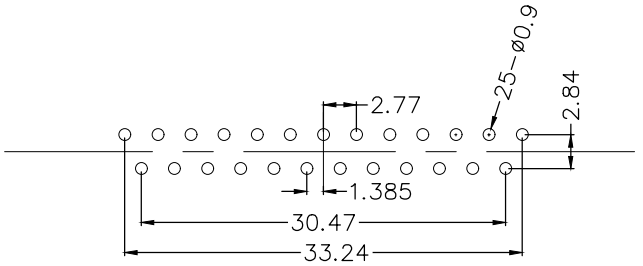
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD









Recommended P.C.Board Layout

Ordering Information

FEM	25	01	—	F	D	1	XX	XX	K	A	X	XX
1	2	3		4	5	6	7	8	9	10	11	12

1	Category	2	Circuits	3	Serial code	4	Gender	5	Mounting Style	6	Plating	
	FEM–Filter D–SUB connector		25–25Circuits		01		F–Female		D–Through hole		1–Gold plated	

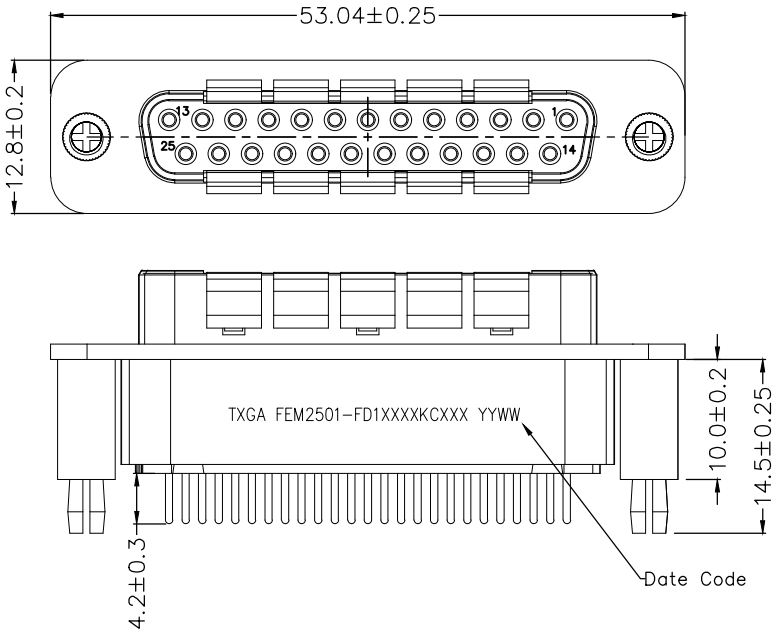
7	Plating Thickness	8	Color	9	Packaging	10	Distinction Type	11	Filter Circuits	12	Capacitance Value	
	01– 0.025um 03– 0.075um 08– 0.75um		BK–Black BU–Blue WH–White		K –Tray		A–Unthreaded hole B–Front nut 5.8mm C–With Post		A–C B–PI		A1–100pF A4–2000pF A2–220pF A5–3300pF A3–1000pF A6–4000pF	

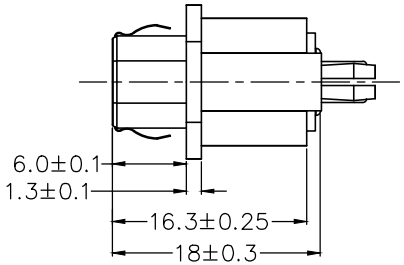
Notes:
1. Materials and Plating
   Shell: Nickel Plated Zinc
   Glass Filled Polyester, UL94V–0
   Contacts: Copper Alloy,Plated Gold
   Spring Clips: Nickel Plated Beryllium Copper

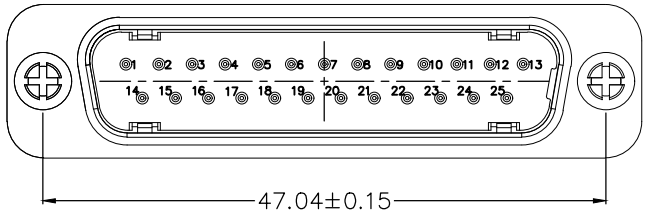
   Rated Current: 5A
   Insulation Resistance: 1000MΩ Min
   Contact Resistance : 10mΩ Max
3. Working Temperature: –40℃ to 105℃
4. Capacitance: See Table 1

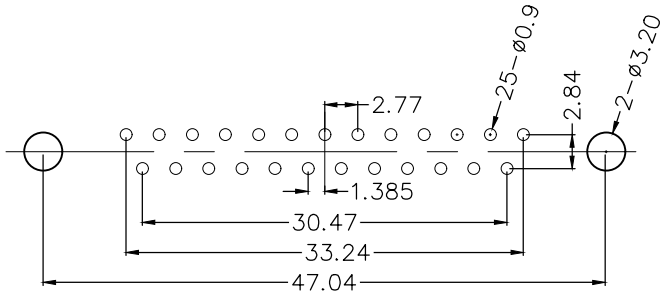
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.
			LEO	30/JAN/23	FEM2501-FD1XXXXKAXXX	FEM2501
DESIGN UNITS mm	X. ±0.30	X.° ±5°	CHECKED BY	DATE	TITLE	TXGA Building Technology Cornerstone
	X.X ±0.20	X.X° ±2°	GISELLE	30/JAN/23	Filter D–Sub Connector, Machined Pin	
SCALE 5:1 SIZE A4	X.XX ±0.15	X.XX° ±1°	DRAWN BY	DATE	REV 0	SHEET NO. 1/3
	X.XXX ±0.10	X.XXX° ±0.5°	CHERRY	30/JAN/23		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD









Recommended P.C.Board Layout

Ordering Information

FEM	25	01	—	F	D	1	XX	XX	K	C	X	XX
1	2	3		4	5	6	7	8	9	10	11	12

	1	2	3	4	5	6
	Category	Circuits	Serial code	Gender	Mounting Style	Plating
	FEM–Filter D–SUB connector	25–25Circuits	01	F–Female	D–Through hole	1–Gold plated

	7	8	9	10	11	12
	Plating Thickness	Color	Packaging	Distinction Type	Filter Circuits	Capacitance Value
	01– 0.025um 03– 0.075um 08– 0.75um	BK–Black BU–Blue WH–White	K –Tray	A–Unthreaded hole B–Front nut 5.8mm C–With Post	A–C B–PI	A1–100pF A4–2000pF A2–220pF A5–3300pF A3–1000pF A6–4000pF

Notes:
1. Materials and Plating
   Shell: Nickel Plated Zinc
   Glass Filled Polyester, UL94V–0
   Contacts: Copper Alloy,Plated Gold
   Spring Clips: Nickel Plated Beryllium Copper

   Rated Current: 5A
   Insulation Resistance: 1000MΩ Min
   Contact Resistance : 10mΩ Max
3. Working Temperature: –40℃ to 105℃
4. Capacitance: See Table 1

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. / ITEM NO.
			LEO	30/JAN/23	FEM2501-FD1XXXXKCXXX / FEM2501
DESIGN UNITS mm	X. ±0.30	X.° ±5°	CHECKED BY	DATE	TXGA Building Technology Cornerstone
	X.X ±0.20	X.X° ±2°	GISELLE	30/JAN/23	TITLE: Filter D–Sub Connector, Machined Pin
SCALE 5:1 / SIZE A4	X.XX ±0.15	X.XX° ±1°	DRAWN BY	DATE	REV 0 / SHEET NO. 2/3
	X.XXX ±0.10	X.XXX° ±0.5°	CHERRY	30/JAN/23	

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

See Table 1

Capacitance		3db Max Cutoff Frequency(MHz)	Dielectric Withstanding Voltag	Rated	MINIMUM INSERTION LOSS(db)			
Value	Tolerance			Voltage DC	1MHz	10MHz	100MHz	1GHz
100pF	±20%	32	600V	200V	–	–	3	30
220pF	±20%	15			–	–	10	33
1000pF	±20%	3.2			–	3	27	70
2000pF	±20%	1.9	300V	100V	–	7	36	70
3300pF	+50%/−20%	1.1			–	9	44	70
4000pF	+50%/−20%	0.8			1	12	50	70

THIRD ANGLE PROJECTION

DESIGN UNITS: mm

SCALE: 5:1 | SIZE: A4

GENERAL TOLERANCES (UNLESS SPECIFIED)

X. ±0.30	X.° ±5°
X.X ±0.20	X.X° ±2°
X.XX ±0.15	X.XX° ±1°
X.XXX ±0.10	X.XXX° ±0.5°

APPROVE BY	LEO	DATE 20/Mar/24
CHECKED BY	GISELLE	DATE 20/Mar/24
DRAWN BY	CHERRY	DATE 20/Mar/24

PART NO. FEM2501-FD1XXXXKXXXX

ITEM NO. FEM2501

TITLE: Filter D-Sub Connector, Machined Pin

TXGA Building Technology Cornerstone

REV 0 | SHEET NO. 3/3