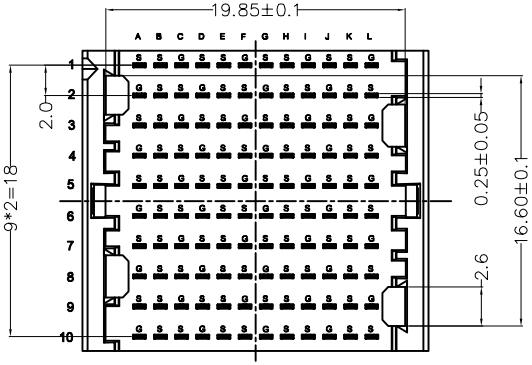
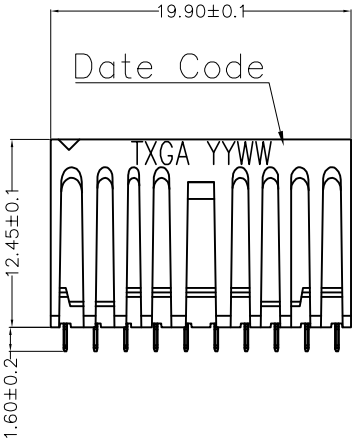
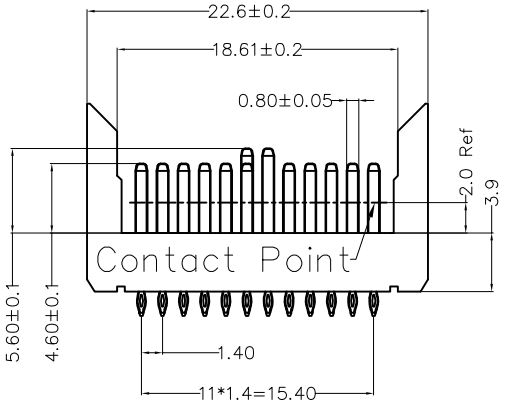
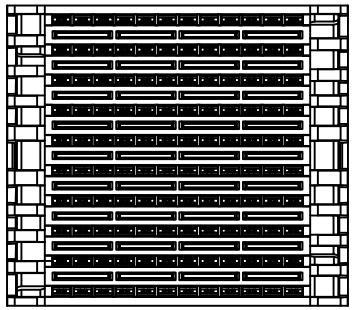
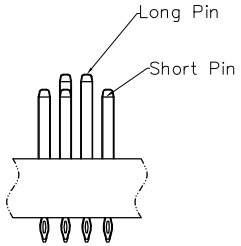
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD











Long Pin position: F1,F3,F5,F7,F9
G2,G4,G6,G8,G10
Short Pin for other positions

Recommended P.C.Board Layout
Tolerances: ±0.05

SPECIFICATIONS

Electrical
- Current Rating: 0.5A
- Voltage Rating: 250V AC(rms)/DC
- Contact Resistance: 35 mΩ Max(initial) Δ=10 mΩ Max(After test)
- Insulation Resistance: 1000 MΩ Min @500V DC
- Withstanding Voltage: 500V AC r.m.s
- Operating Temperature: −55℃~+105℃

Material and plating
- Housing: LCP (UL 94V−0)
- Contacts: Copper alloy/Selective gold plated on contact area and matte tin plated on tails

Mechanical Performance
- Insertion Force: 0.5N/PIN max.
- Withdrawal Force: 0.15N/PIN min.
- Mechanical Durability: 200 cycles.

*Date Code: YYWW
- Week
- Year

Ordering Information

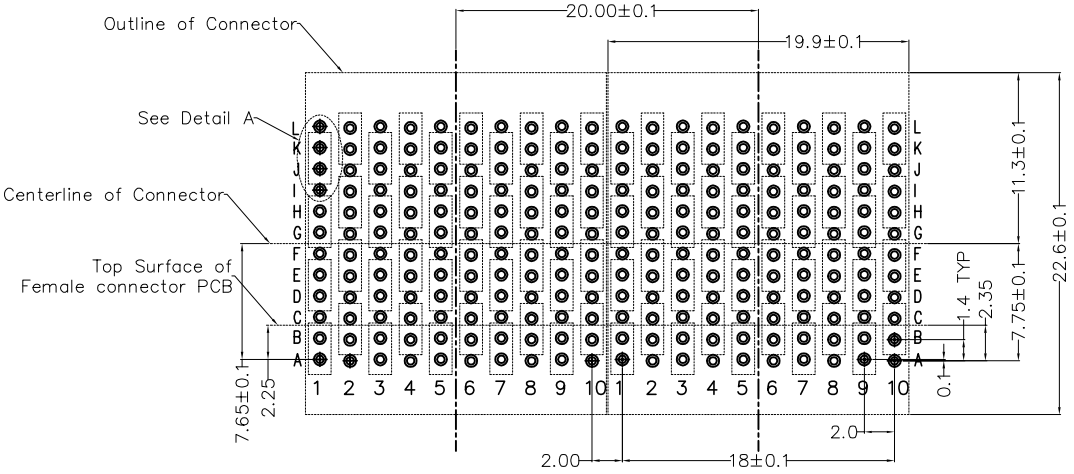
FBP	200	04	—	M	120	S	7	XX	3	NA	K
1	2	3		4	5	6	7	8	9	10	11

1	Category: FBP−High speed Backplane connector	2	Series Number: 200−Pitch2.0mm	3	Distinction No.: 04	4	Gender: M−Male	5	Circuits: 120	6	Entry Angle: S−180° Vertical

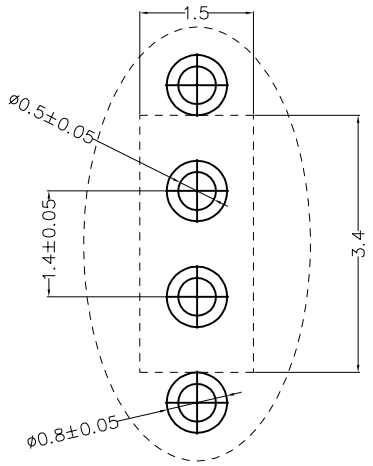
7	Plating: 7−Selective gold plated on contact area and matte tin plated on tails	8	Thickness of Plating: 00−Gold flash 01−0.025μm 03−0.075μm Custom plate available	9	Material−Resin: 3−LCP	10	Color−Resin: NA−Natural	11	Packaging: K−Tray

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	TXGA Building Technology Cornerstone
	GB 1804−m	X.° ±5°	LEO	21/JUL/22	FBP20004−M120S7XX3XXK	FBP20004	
DESIGN UNITS METRIC	30~120 ±0.30	X.X° ±2°	CHECKED BY GISELLE	DATE 21/JUL/22	TITLE: High speed Backplane connector 4 Pair Pitch 2.0mm Male(Press fit) 12.5Gbps	REV 0	SHEET NO. 1/2
SCALE 2:1 / SIZE A4	6~30 ±0.20	X.XX° ±1°	DRAWN BY MATT	DATE 21/JUL/22	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	0~6 ±0.10	X.XXX° ±0.5°					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



Recommended P.C.Board Layout
Tolerances: ±0.05



Detail A
Scale 5:1

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 21/JUL/22	PART NO. FBP20004-M120S7XX3XXK / ITEM NO. FBP20004
DESIGN UNITS METRIC	GB 1804-m	X.° ±5°	CHECKED BY GISELLE	DATE 21/JUL/22	TITLE: High speed Backplane connector 4 Pair Pitch 2.0mm Male(Press fit) 12.5Gbps
SCALE 2:1 / SIZE A4	30~120 ±0.30	X.X° ±2°			REV 0 / SHEET NO. 2/2
	6~30 ±0.20	X.XX° ±1°	DRAWN BY MATT	DATE 21/JUL/22	
	0~6 ±0.10	X.XXX° ±0.5°			

TXGA Building Technology Cornerstone

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