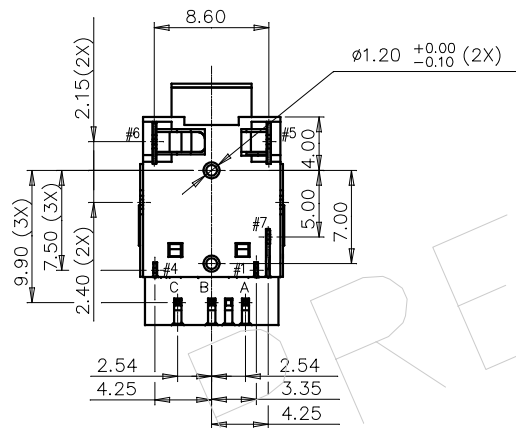
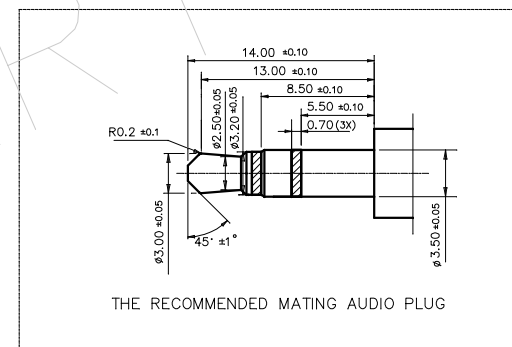
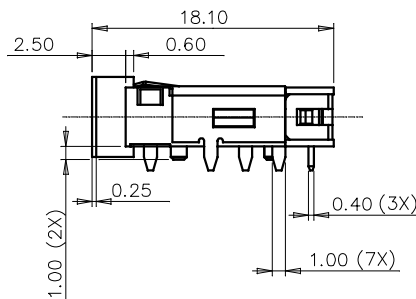
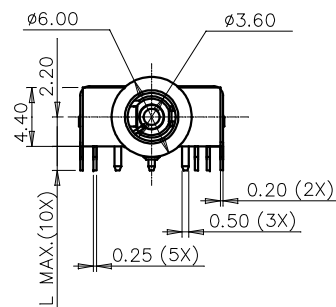
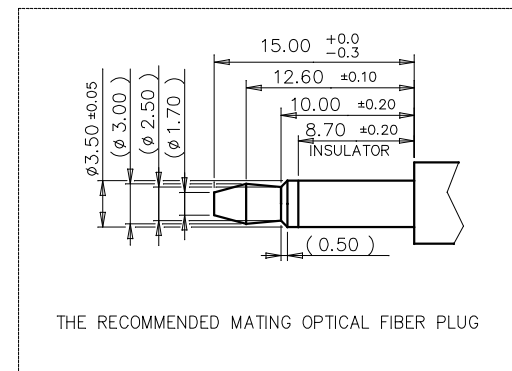
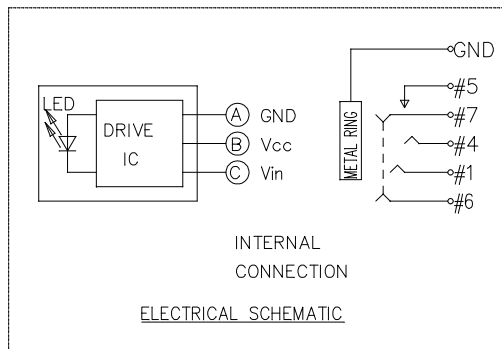
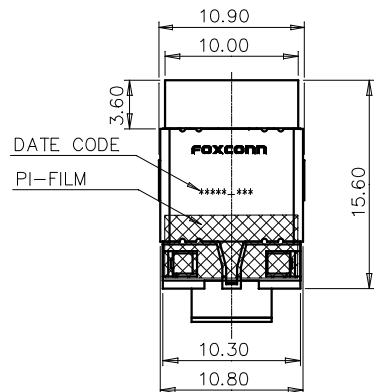
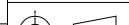
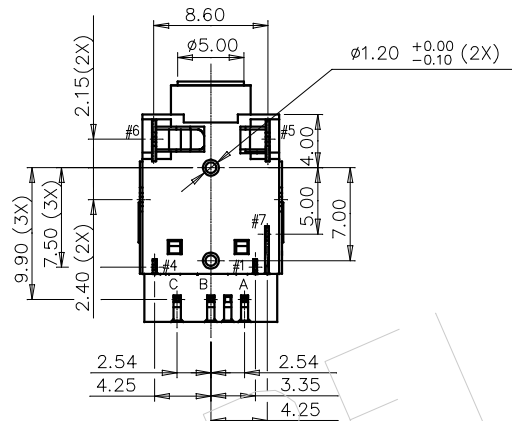
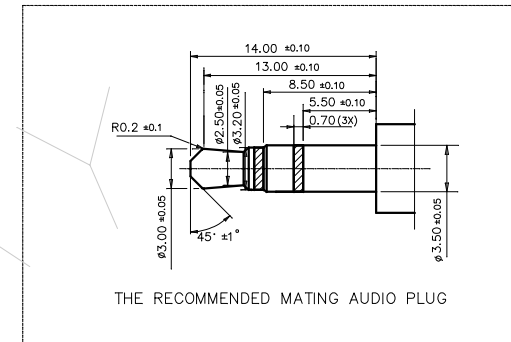
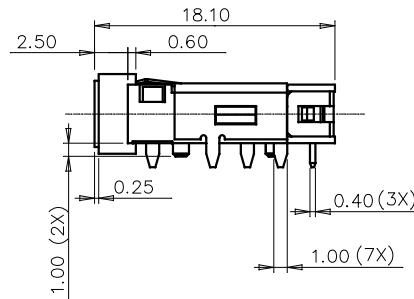
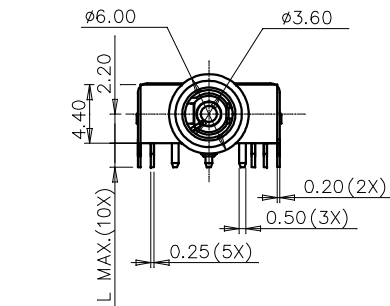
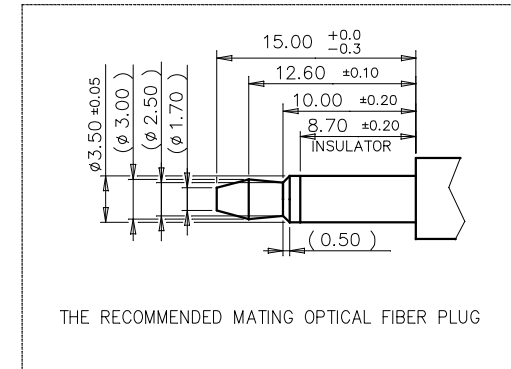
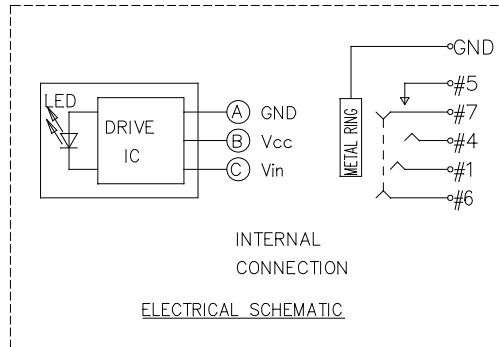
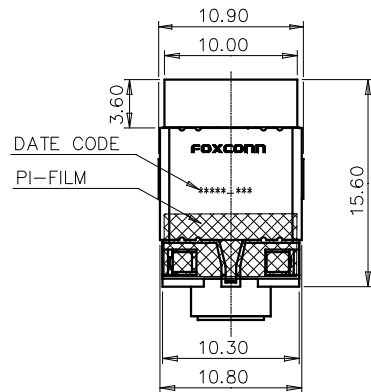




2FB646*-BK*MC- **	1.80	SEE REMARK
2FB644*-BK*MC- **	1.00	
OPTIONAL P/N	DIM. L	COLOR

X. ±	X.° ± 3°	UNITS mm	NAME(INTENDED USE) POF CONNECTOR MINI JACK TYPE	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.		
.X ± 0.38	.X° ±	MAT'L	PART NO.(INTENDED USE) 2FB*4**-BK*MC- **	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL		
.XX ± 0.25	.XX° ±	FINISH	APPD: Shih-Wei Hsiao	TITLE: CUSTOMER DRAWING		
.XXX ±	.XXX° ±		CHKD: Yen-Chih Chang	DWG NO.: 371-0000-202		
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2FB846*—BK*MC—**	1.80	SEE REMARK
2FB844*—BK*MC—**	1.00	
OPTIONAL P/N	DIM. L	
	COLOR	

X. ±	X°. ± 3°	UNITS mm	NAME(INTENDED USE)	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
.X ± 0.38	.X°. ±	MAT'L	POF CONNECTOR MINI JACK TYPE	
.XX ± 0.25	.XX°. ±		PART NO.(INTENDED USE)	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XXX ±	.XXX°. ±	FINISH	2FB*4**—BK*MC—**	TITLE: CUSTOMER DRAWING
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			CHKD: Yen-Chih Chang	SCALE SHEET REV.
			DR: Tu Ying 11/22'17	N/A 2/4 GX1

MATERIAL AND FINISH

- 1.CONTACTS: COPPER ALLOY,GOLD PLATED AT CONTACT AREA
- 2.HOUSING: HIGH TEMP. THERMOPLASTIC,UL 94V-0
COLOR SEE REMARK
- 3.SHELL: METAL,NICKEL PLATED

REMARK:

PART NO. : 2FB*4**-BK*MC-**-

SERIES
2F=PLASTIC FIBER OPTICAL

TERMINATION TYPE
B=R/A THROUGH HOLE

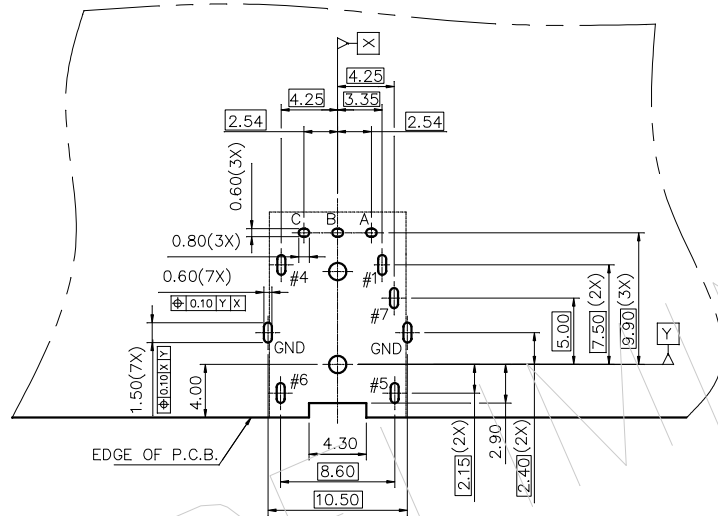
BODY TYPE
8=W/ Ø5.00 METAL RING
6=W/ Ø6.00 METAL RING

MATING HEIGHT
4=2.20mm

TAIL LENGTH
4: DIM. L=1.00 mm
6: DIM. L=1.70 mm

CONTACT AREA PLATING
L=25 u" Pd/Ni+G/F
1=GOLD FLASH
C=30 u" Pd/Ni+G/F

LEAD FREE CODE
F= LEAD FREE PROCESS
H= Halogen FREE PROCESS
PACKING CODE
7=TAPE & REEL
8=TAPE & REEL W/ PI-FILM
TRANSMISSION SPEED
C=20~29Mbps
DRIVER TYPE
M=TRANSMITTER
(SAVE ENERGY)
HOUSING COLOR
B=BLACK
P=PINK 701C
L=LIME 577C
U=LIGHT BLUE 284C
T=RED 703C
K=GREEN 3415C
MATING TYPE
K=MINI JACK IND. STD
ELECTRICAL SCHEMATIC



RECOMMENDED TYPE-PCB LAYOUT
UNSPECIFIED TOLERANCE ±0.05
ELLIPTICAL PAD FOR CONTACT
TOP VIEW

SPECIFICATION:

1. ELECTRICAL CHARACTERISTICS:

- 1-1. CURRENT RATING: 1 AMPERES MAX.
- 1-2. VOLTAGE RATING: 12V DC MAX.
- 1-3. WITHSTANDING VOLTAGE: 500V AC FOR 1Minute.
- 1-4. INSULATION RESISTANCE: 100 MEGOHMS MIN.
- 1-5. CONTACT RESISTANCE:
INITIAL: 50 mOHMS MAX.
AFTER 1000 CYCLES: 100 mOHMS MAX.

2. MECHANICAL CHARACTERISTICS:

- 2-1. DURABILITY (MATING/UNMATING CYCLES): 1000 CYCLES.
- 2-2. OPERATING TEMPERATURE AND HUMIDITY RANGE:
-25°C TO +70°C, 85% RH OR LESS.
- 2-3. MATING AND UNMATING FORCE IS 0.3~3.0kgf.

3. ELECTRO-OPTICAL CHARACTERISTICS:

- 3-1. OPERATING POWER SUPPLY VOLTAGE 2.7~5.5V.
- 3-2. PEAK EMISSION WAVELENGTH 655±15 nM.
- 3-3. TRANSMISSION SPEED (NRZ SIGNAL) 25.0Mbps MAX.
- 3-4. TRANSMISSION DISTANCE 0.2~20 METRES.
- 3-5. ICC DISSIPATION CURRENT 10mA MAX.
- 3-6. HIGH-LEVEL INPUT VOLTAGE 2.0V MIN.
- 3-7. LOW-LEVEL INPUT VOLTAGE 0.8V MAX.

4. PLEASE CONTACT FOXCONN SALES REPRESENTATIVE TO VERIFY PRODUCT DETAIL&AVAILABILITY.

5. PRODUCT USER GUIDE:

MOISTURE SENSITIVE DEVICE MSL 3-AFTER PACKING HAS BEEN OPENED 168 HOURS,PARTS MUST BE BAKED FOR MIN.5 DAYS AT 40 C AND 5% RH.

6. RECOMMENDED PROCESS CONDITION: SOLDER TEMPERATURE ,260°C ,3~5S.

X. ±	X° ±	UNITS mm	NAME(INTENDED USE) POF CONNECTOR MINI JACK TYPE	
.X ±	.X° ±	MAT'L	PART NO.(INTENDED USE) 2FB*4**-BK*MC-**-	
.XX ±	.XX° ±		APPD: Shih-Wei Hsiao	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XXX ±	.XXX° ±	FINISH	CHKD: Yen-Chih Chang	TITLE: CUSTOMER DRAWING
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				SCALE SHEET REV. N/A 3/4 GX1

