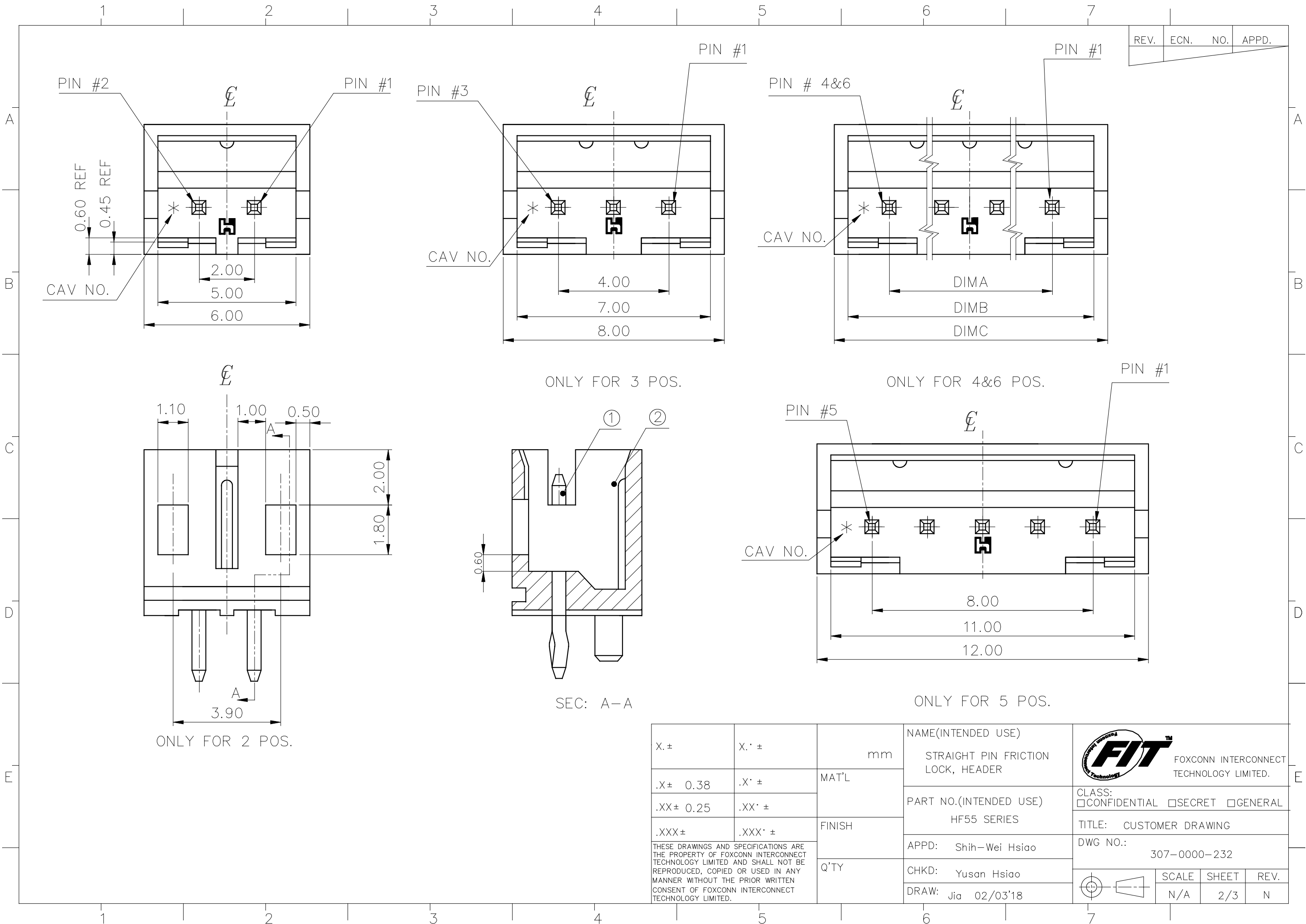
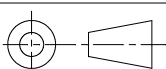




REV.	ECN.	NO.	APPD.

X. ±	X. ° ±	mm	NAME(INTENDED USE)	FOXCONN INTERCONNECT TECHNOLOGY LIMITED.									
.X± 0.38	.X ° ±	MAT'L	STRAIGHT PIN FRICTION LOCK, HEADER	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☐ GENERAL									
.XX± 0.25	.XX ° ±		PART NO.(INTENDED USE)	TITLE: CUSTOMER DRAWING									
.XXX±	.XXX ° ±	FINISH	HF55 SERIES	DWG NO.: 307-0000-232									
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			SCALE					SHEET	REV.				
			N/A	2/3	N								
			CHKD: Yusan Hsiao										
			DRAW: Jia 02/03'18										

1

2

3

4

IDEAS GENERATED DRAWING. DON'T CHANGE BY HAND.

ITEM	DESC.	Q'TY	MATERIAL	TREATMENT	REMARK
①	CONTACT	SAME AS No. OF POS. (SEE BELOW)	COPPER ALLOY BRASS	A) 50u" MIN. NICKEL UNDER PLATING OVER ALL B) MATTE TIN OR GOLD PLATING SEE NOTES BELOW	
②	HOUSING	1	THERMOPLASTIC, UL 94V-0	HOUSING COLOR (SEE BELOW)	
③	CAP	1	THERMOPLASTIC, UL 94V-0	HOUSING COLOR (BLACK)	

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. HARMFUL MATERIAL CONTROL PLAEESE FOLLOW FOXCONN'S DOC. "EPI12"
2. THE CONCENTRATIONS OF BR&CL CAN SATISFY THE REQUIREMENTS OF HALOGEN-FREE IN DOCUMENT "EPI12"
3. PRODUCT NO. MATRIX:

H F 55 ** *- ** * * *
 HEADER
 FRICTION LOCK
 TERMINATION
 & CONTACT TYPE
 55: .079" PITCH
 .020" SQ., T/H.
 NO. OF POS.
 02: 02 POS.
 16: 16 POS.

NONE: LEAD FREE
 H: LEAD FREE, HALOGEN FREE
 MATERIAL OF HOUSING
 NONE: HIGH TEMPERATURE THERMOPLASTIC, PA46
 T: HIGH TEMPERATURE THERMOPLASTIC, PA6T
 N: THERMOPLASTIC, HALOGEN PA66
 L: HIGH TEMPERATURE THERMOPLASTIC, LCP
 B: THERMOPLASTIC, HALOGEN FREE PA66
 NONE: BAG PACKAGE WITHOUT CAP
 C: TAPE/REEL PACKAGE WITH CAP
 SEE FIGURE A BELOW
 COLOR CODE
 NONE: HOUSING COLOR WHITE
 B: HOUSING COLOR BLACK
 R: HOUSING COLOR RED(702U)
 U: HOUSING COLOR BLUE(661C)
 Y: HOUSING COLOR YELLOW(123C)

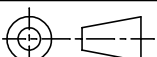
CONTACT AREA PLATING
 E: 100u" MIN. MATTETIN PLATING ON CONTACT AREA
 AND SOLDER AREA WITH RoHS COMPLIANCE.
 F: GOLD FLASH 1u" MIN OVER ALL CONTACT.
 V = GOLD PLATING 15u" MIN.
 OVER ALL CONTACT. WITH RoHS COMPLIANCE.
 H = GOLD PLATING 30u" MIN OVER ALL CONTACT.
 WITH RoHS COMPLIANCE.

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

REV.	ECN. NO.	APPD.
A	HC951163	I. K. LIU 7/20'95
B	HC951770	I. K. LIU 12/20/95
C	HC961129	C. CHEN 8/09'96
D	HC961718	I. K. LIU 11/15'96
E	HC961818	C. CHEN 12/16'96
F	HC98179	Charles 1/7/'98
G	HC99045	Dick Lee 2/04'99
H	HC991019	Dick Lee 3/30'99
J	MC001383	VICENT LAI 3/12'00
K	HC-04-11320	Ady Zhou 12/16'04
L	HC-06-7798	Ady Zhou 7/7'06
M	BC06774195	Yusan
N	BC07704970	Yusan
P	BC-08-7013012	Jake W. Yuan
Q	BC-08-7030972	Jake W. Yuan
R	BC-09-7092223	Yihsin Chen
S	BC-09-7119685	Yihsin Chen
T	BC-15-0048547	Shih-Wei Hsiao

FIGURE A

CODE	DESCRIPTION			
	TAIL LENGTH	KINK	POST	MISSING PIN
NONE	3.40mm	YES	NONE	FULL PIN
P1	3.40mm	YES	YES	FULL PIN
P2	3.40mm	NO	YES	FULL PIN
P3	3.40mm	YES	NONE	POS. NO. 2
P5	3.40mm	NO	NONE	POS. NO. 2
P8	3.40mm	YES	NONE	POS. NO. 7
C1	2.16mm	NO	YES	FULL PIN
C2	2.16mm	NO	YES	POS. NO. 7
C3	2.16mm	NO	NO	FULL PIN
C4	1.80mm	NO	YES	FULL PIN
D5	3.40mm	YES	NONE	POS. NO. 3
D6	3.40mm	YES	NONE	POS. NO. 5
D7	3.40mm	YES	NONE	POS. NO. 4
D8	2.16mm	YES	NONE	FULL PIN
D9	2.40mm	YES	NONE	FULL PIN
P4	2.40mm	YES	YES	FULL PIN

X. ±	X. ° ±	UNITS mm	NAME(INTENDED USE) HEADER FRICTION	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.						
.X ±	.X° ±	MAT'L	PART NO.(INTENDED USE) HF55 SERIES	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL						
.XX ±	.XX° ±			MATERIAL SHEET						
.XXX ±	.XXX° ±	FINISH	APPD: Shih-Wei Hsiao	TITLE: .079" PITCH, .020". SQ., T/H						
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			DRAW: Jia 02/03'18	 <table><tr><td>SCALE</td><td>SHEET</td><td>REV.</td></tr><tr><td>N/A</td><td>1/1</td><td>TX1</td></tr></table>				SCALE	SHEET	REV.
SCALE	SHEET	REV.								
N/A	1/1	TX1								

IDEAS GENERATED DRAWING. DON'T CHANGE BY HAND.

REV.	ECN. NO.	APPD.
A	HC951163	I.k.Liu 7/20'95
B	HC951286	I.k.Liu 8/30'95
C	HC956163	C.Chen 8/09'96
D	BC0366329	I.k.Liu 10/17'97
E	BC06743809	Yusan 8/3'06
F	BC06776637	Yusan
G	BC-15-0048559	Shih-Wei Hsiao

SPECIFICATIONS:

1. PHYSICAL:

1-1. HOUSING:

THERMOPLASTIC, UL94V-0 ONLY FOR HF55***-***N;
HIGH TEMP. THERMOPLASTIC, UL94V-0 FOR OTHERS.

1-2. CONTACT: COPPER ALLOY, 50u" MIN. NICKEL UNDER PLATING
OVER ALL; MATTE TIN OR GOLD PLATING OVER NICKEL
OVER ALL (INCLUDE SOLDER AREA) WITH RoHS COMPLIANCE.

1-3. CAP,HIGH TEMP. THERMOPLASTIC, UL94V-0 .

2. ELECTRICAL CHARACTERISTICS:

2-1. CONTACT CURRENT RATING: 4 AMPERES MAX. PER POS.

2-2. DIELECTRIC WITHSTANDING VOLTAGE: 800V AC FOR 1 MINUTE
AT SEA LEVEL.

2-3. INSULATION RESISTANCE: 1000 MEGOHMS MIN. INITIAL.
SUPPLYING A CONSTANT 500V+/- 10% FOR 1 MINUTE.

3. MECHANICAL CHARACTERISTICS:

3-1.CONTACT RETENTION FORCE: 2.0 LBS(0.91kgf) MIN. PER POS.

3-2. INSERTING FORCE: 0.5Kg MAX. PER CONTACT;
WITHDRAW FORCE WITHOUT LATCH: 0.02Kg MIN. PER CONTACT;

3-3. DURABILITY: 30 CYCLES

3-4. HOUSING RETENTION FORCE:2.0Kgf MIN. AFTER IR SOLDERING FOR 04 POS.

4. ENVIRONMENTAL DATA:

4-1. SOLDERABILITY: PASSED EIA-364-52.

4-2. OPERATION TEMPERATURE: -40°C TO +85°C .

4-3. HARMFUL MATERIAL CONTROL PLEASE FOLLOW
FOXCONN'S DOC. "EPI12".

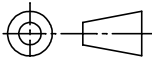
4-4. THERMAL CYCLING : -55℃ ~ 85℃ , DWELL 5 MINUTES MINIMUM,

4-5. TEMPERATURE LIFE : AT 105℃ FOR 300 HOURS.

4-6. CYCLIC TEMPERATURE & HUMIDITY : BETWEEN 25℃ AT 80%RH
AND 65℃ AT 50%RH.RAMP TIME IS 0.5Hrs AND DWELL TIME IS 1Hrs.
PREFORM 60 CYCLES TOTAL.

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

6. THE CONCENTRATIONS OF BR&CL CAN SATISFY THE REQUIREMENTS OF
HALOGEN-FREE IN DOCUMENT "EPI12"

X.±	X.° ±	UNITS mm	NAME(INTENDED USE) HEADER FRICTION	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.			
.X±	.X° ±	MAT'L	PART NO.(INTENDED USE) HF55 SERIES	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL			
.XX±	.XX° ±			TITLE: 2.00mm PITCH, T/H, S/R			
.XXX±	.XXX° ±	FINISH	APPD: Shih-Wei Hsiao	DWG NO.: 307-0300-096			
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			DRAW: Jia 03/07'18		N/A	1/1	GX2