

REV.	ECN.	NO.	APPD.
A	BC-19-0011271	Shih-Wei Hsiao	

A

B

C

D

E

A

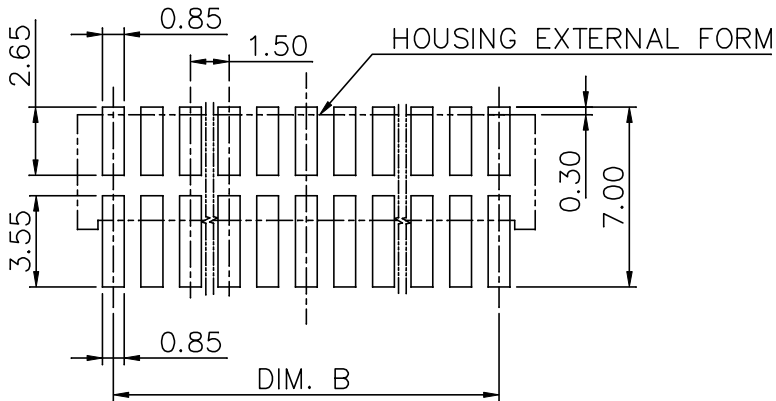
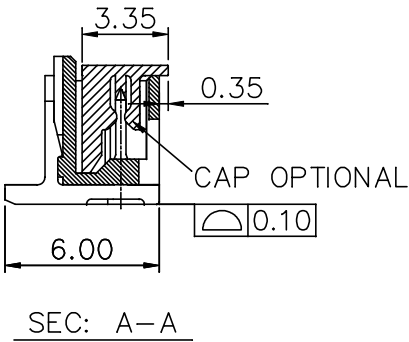
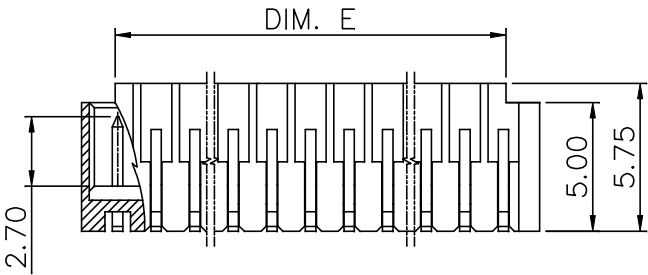
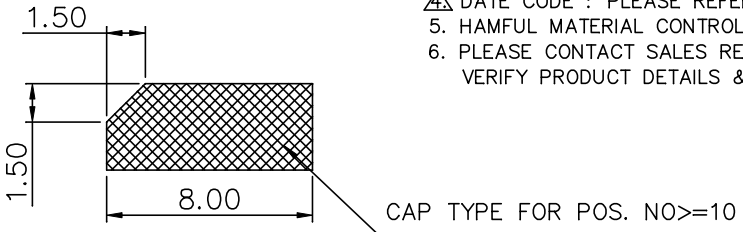
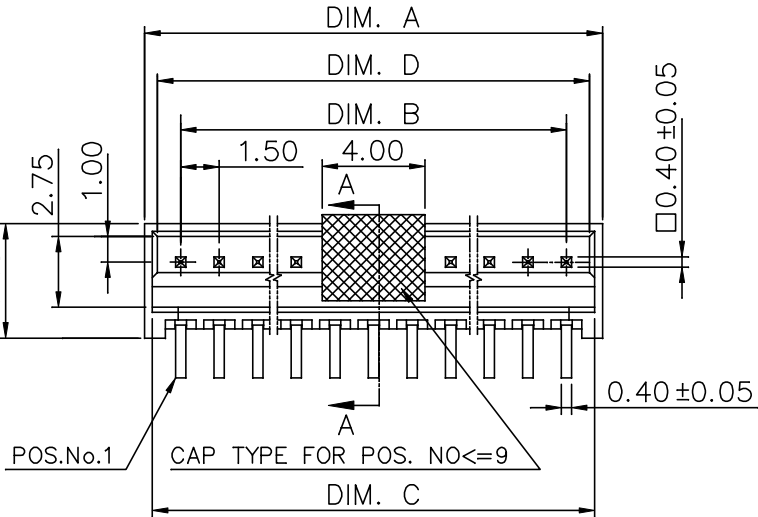
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C

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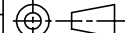
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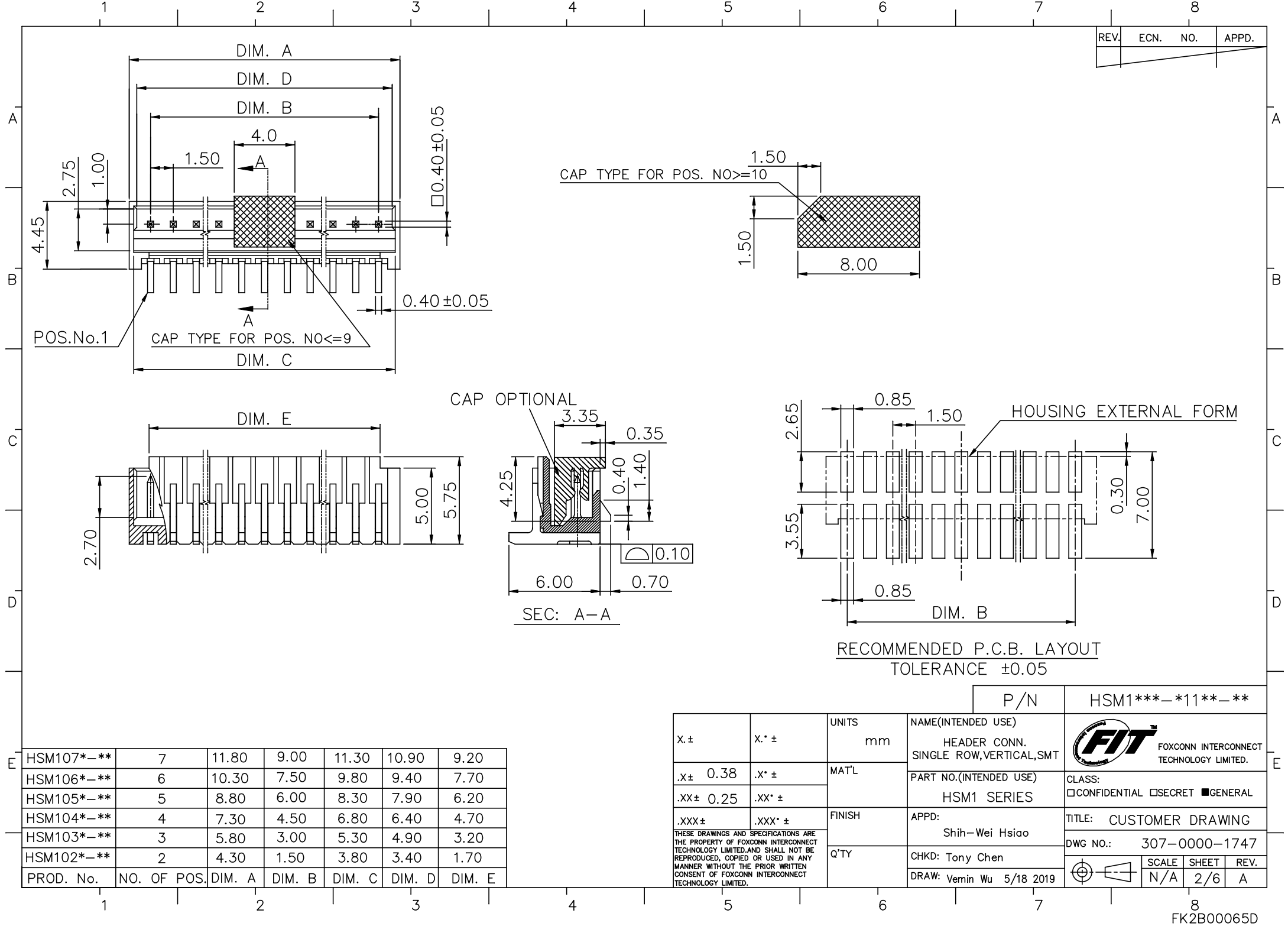
- NOTES : UNLESS OTHERWISE SPECIFIED
1. DIMENSIONS SHALL BE INTERPRETED PER ASME Y14.5-2009
 2. SPEC. OF PROD. ARE SHOWN ON DRAWING "307-0300-1747"
 3. MATERIALS OF PARTS ARE SHOWN ON DRAWING "307-0500-1747"
 - ⚠ DATE CODE : PLEASE REFER TO FOXCONN'S DOC. "SQ-3B0-070".
 5. HAMFUL MATERIAL CONTROL PLEASE FOLLOW DOC. "EPI12".
 6. PLEASE CONTACT SALES REPRESENTATIVE TO VERIFY PRODUCT DETAILS & AVAILABILITY.



RECOMMENDED P.C.B. LAYOUT
TOLERANCE ±0.05

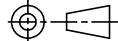
HSM114*-**	14	22.30	19.50	21.70	21.30	19.70
HSM111*-**	11	17.80	15.00	17.20	16.80	15.20
HSM110*-**	10	16.30	13.50	15.70	15.30	13.70
HSM109*-**	9	14.80	12.00	14.20	13.80	12.20
HSM108*-**	8	13.30	10.50	12.70	12.30	10.70
HSM107*-**	7	11.80	9.00	11.20	10.80	9.20
HSM106*-**	6	10.30	7.50	9.70	9.30	7.70
HSM105*-**	5	8.80	6.00	8.20	7.80	6.20
HSM104*-**	4	7.30	4.50	6.70	6.30	4.70
HSM103*-**	3	5.80	3.00	5.20	4.80	3.20
HSM102*-**	2	4.30	1.50	3.70	3.30	1.70
PROD. No.	NO. OF POS.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E

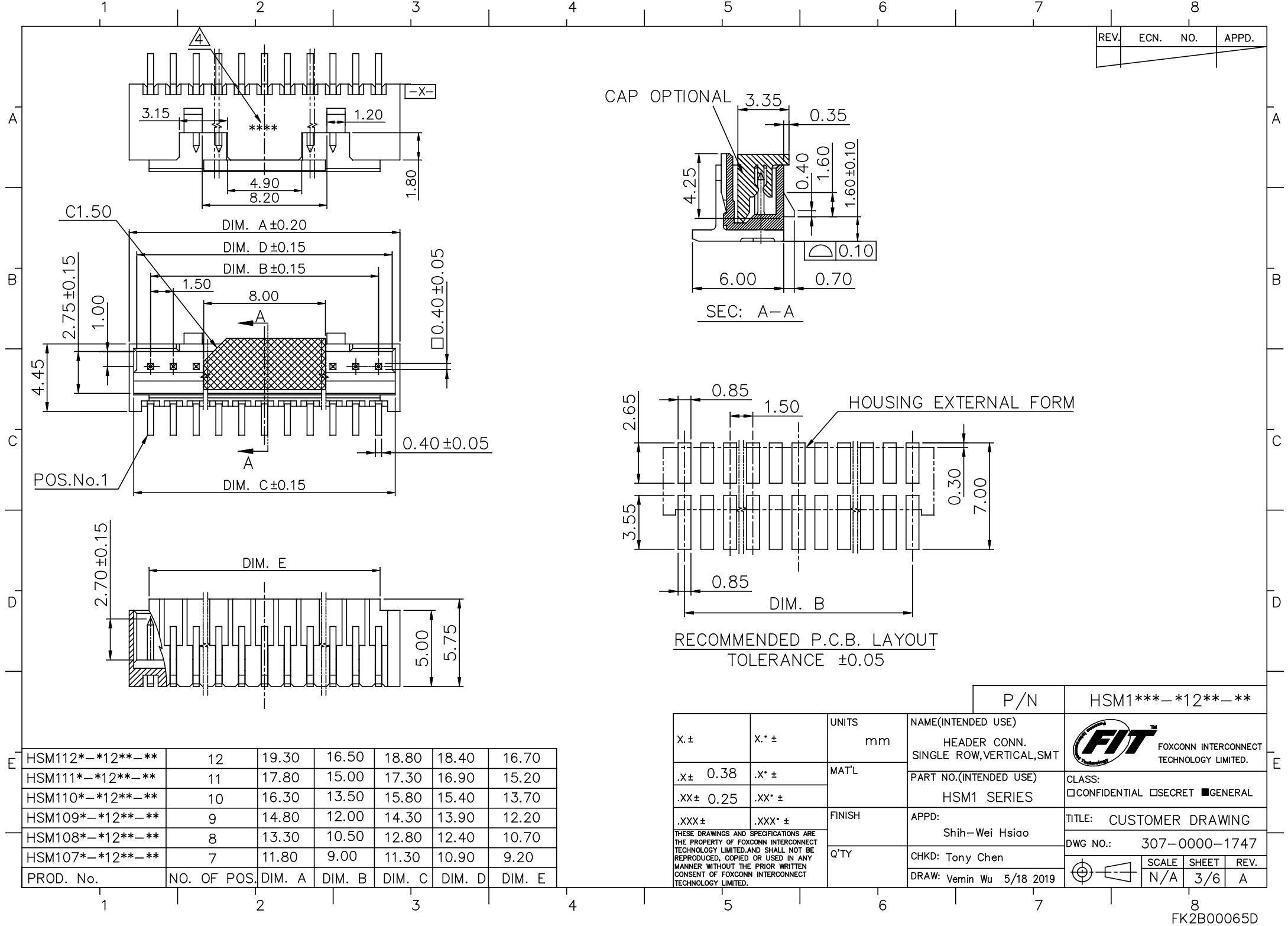
		P/N		HSM1***-*00**-**		
X.±	X.* ±	UNITS mm	NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.		
.X± 0.38	.X* ±	MAT'L	PART NO.(INTENDED USE) HSM1 SERIES			
.XX± 0.25	.XX* ±	FINISH	APPD: Shih-Wei Hsiao	TITLE: CUSTOMER DRAWING		
.XXX±	.XXX* ±	Q'TY	CHKD: Tony Chen	DWG NO.: 307-0000-1747		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.			DRAW: Vemin Wu 5/18 2019		SCALE N/A	SHEET 1/6
					REV. A	

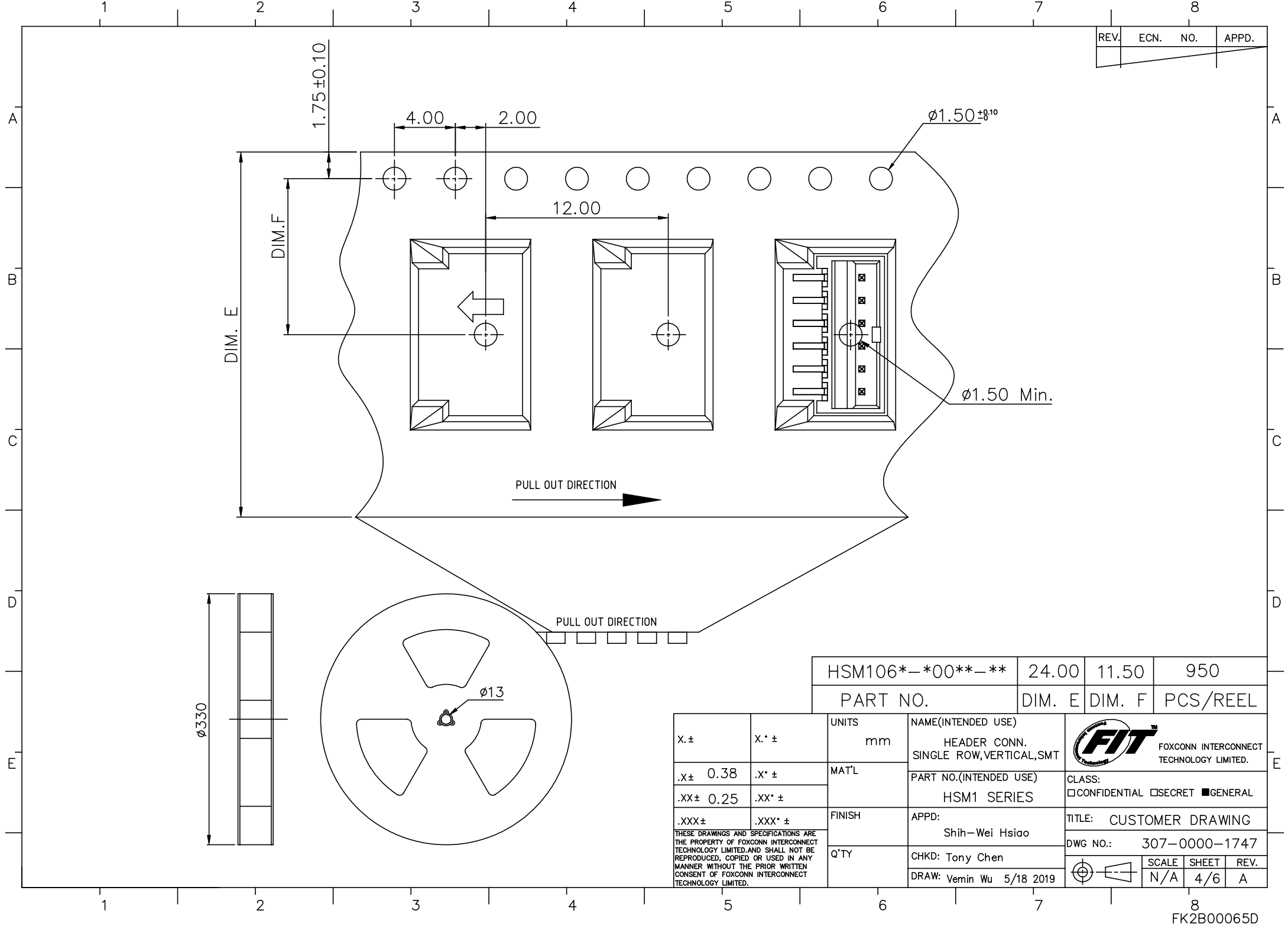


REV.	ECN.	NO.	APPD.

HSM107*—**	7	11.80	9.00	11.30	10.90	9.20
HSM106*—**	6	10.30	7.50	9.80	9.40	7.70
HSM105*—**	5	8.80	6.00	8.30	7.90	6.20
HSM104*—**	4	7.30	4.50	6.80	6.40	4.70
HSM103*—**	3	5.80	3.00	5.30	4.90	3.20
HSM102*—**	2	4.30	1.50	3.80	3.40	1.70
PROD. No.	NO. OF POS.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E

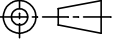
		P/N		HSM1***—*11**—**		
X.±	X.* ±	UNITS	NAME(INTENDED USE)	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.		
		mm	HEADER CONN. SINGLE ROW,VERTICAL,SMT			
.X± 0.38	.X* ±	MAT'L	PART NO.(INTENDED USE)	CLASS:		
.XX± 0.25	.XX* ±		HSM1 SERIES	☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL		
.XXX±	.XXX* ±	FINISH	APPD:	TITLE: CUSTOMER DRAWING		
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		Q'TY	CHKD: Tony Chen		SCALE	SHEET
			DRAW: Vemin Wu 5/18 2019		N/A	2/6
					REV.	A

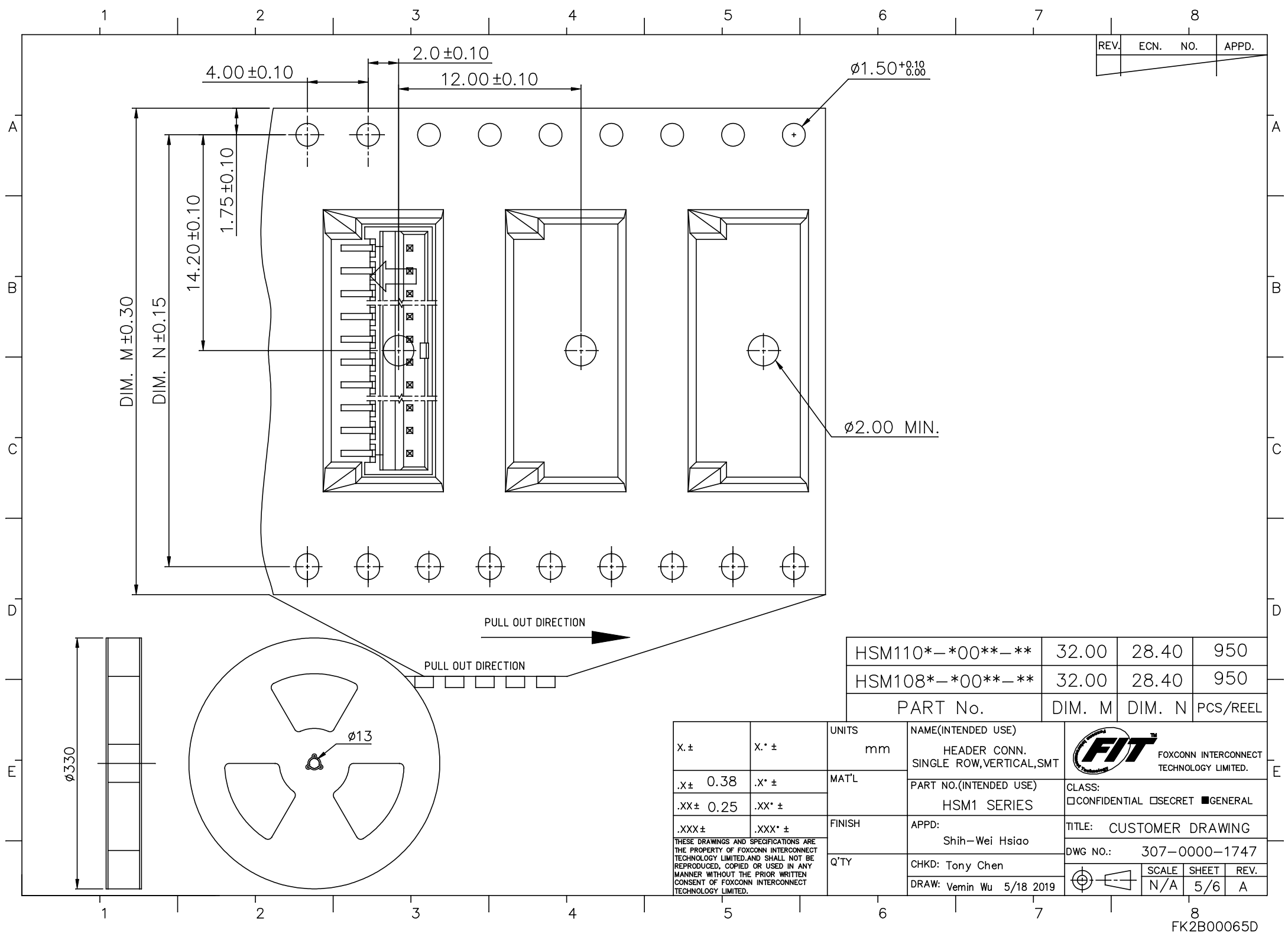




REV.	ECN.	NO.	APPD.

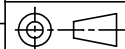
HSM106*-*00**-*	24.00	11.50	950
PART NO.	DIM. E	DIM. F	PCS/REEL

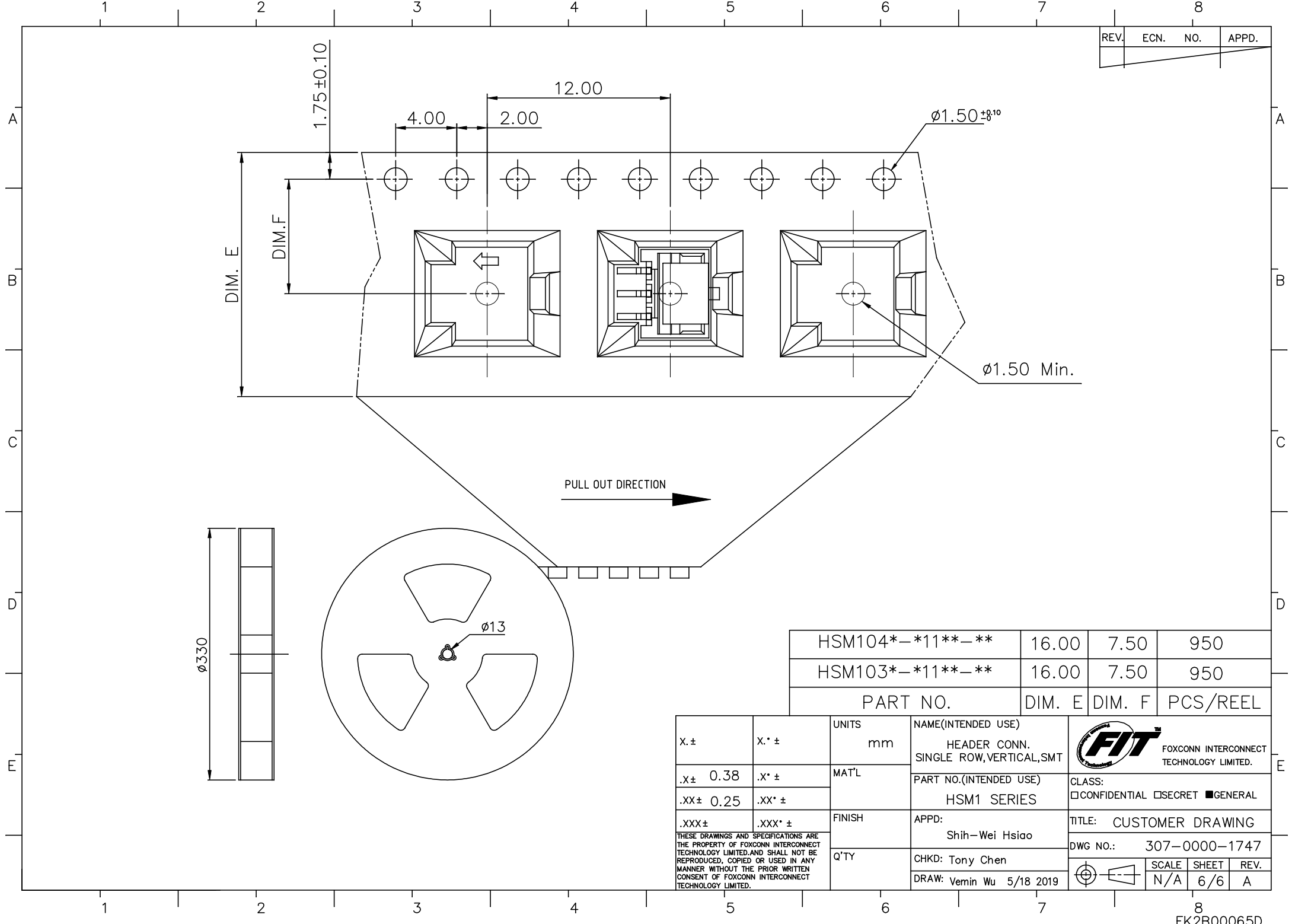
X.±	X.* ±	UNITS mm	NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
.X± 0.38	.X* ±	MAT'L	PART NO.(INTENDED USE) HSM1 SERIES	
.XX± 0.25	.XX* ±	FINISH	APPD: Shih-Wei Hsiao	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XXX±	.XXX* ±	Q'TY	CHKD: Tony Chen	TITLE: CUSTOMER DRAWING
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				 SCALE SHEET REV. N/A 4/6 A



REV.	ECN.	NO.	APPD.

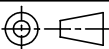
HSM110*—*00**—**	32.00	28.40	950
HSM108*—*00**—**	32.00	28.40	950
PART No.	DIM. M	DIM. N	PCS/REEL

X.±	X.* ±	UNITS mm	NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
.X± 0.38	.X* ±	MAT'L	PART NO.(INTENDED USE) HSM1 SERIES	
.XX± 0.25	.XX* ±	FINISH	APPD: Shih-Wei Hsiao	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XXX±	.XXX* ±	Q'TY	CHKD: Tony Chen	TITLE: CUSTOMER DRAWING
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				 SCALE SHEET REV. N/A 5/6 A



REV.	ECN.	NO.	APPD.

HSM104*—*11**—**	16.00	7.50	950
HSM103*—*11**—**	16.00	7.50	950
PART NO.	DIM. E	DIM. F	PCS/REEL

X.±	X.* ±	UNITS mm	NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.			
.X± 0.38	.X* ±	MAT'L	PART NO.(INTENDED USE) HSM1 SERIES	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL			
.XX± 0.25	.XX* ±		FINISH	APPD: Shih-Wei Hsiao	TITLE: CUSTOMER DRAWING		
.XXX±	.XXX* ±	Q'TY		CHKD: Tony Chen	DWG NO.: 307-0000-1747		
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REV.	ECN NO.	APPD.

PRODUCT SPECIFICATIONS:

1. PHYSICAL:

1-1. HOUSING :

HIGH TEMPERATURE PA9T OR LCP,THERMOPLASTIC,UL94V-0 RATING.

1-2. CONTACT:

BRASS, 50u" MIN. NICKEL UNDER PLATING OVER ALL;
MATTE TIN OR GOLD PLATING OVER NICKEL UNDER PLATING
OVER ALL WITH RoHS COMPLIANCE.

1-3. CAP:

LCP,THERMOPLASTIC,UL94V-0 RATING.

2. ELECTRICAL CHARACTERISTICS:

2-1. CONTACT CURRENT RATING : 4.5 A PER CONTACT.

2-2. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE

2-3. INSULATION RESISTANCE: 1000 MEGOHMS MIN..

2-4. LOW LEVEL CONTACT RESISTANCE : 30 MILLIOHMS MAX. INITIALLY;
10 MILLIOHMS MAX. CHANGE AFTER LIFE TESTING.

2-5. VOLTAGE RATING : 50V AC.

3. MECHANICAL CHARACTERISTICS:

3-1. CONTACT RETENTION FORCE: 0.68Kgf MIN. PER CONTACT.

3-2. MATING FORCE: 0.4Kgf./PIN MAX.;

3-3. UNMATING FORCE: 0.05Kgf./PIN MIN.

3-4. TTL UMATING FORCE INCREASE 2.5kgf. MIN. WHEN PRODUCTS HAVE 2 LATCHES.

3-5. DURABILITY TIMES: 30

4. ENVIRONMENTAL DATA:

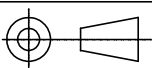
4-1. SOLDERABILITY: PASSED EIA-364-52.

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

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

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

6. THE CONCENTRATIONS OF Br&Cl CAN SATISFY THE REQUIREMENT
OF HALOGEN-FREE IN DOCUMENT "EPI12".

X. ±	X. ° ±	UNITS mm	NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT	 FOXCONN INTERCONNECT TECHNOLOGY LIMITED.			
.X ±	.X ° ±	MAT'L	PART NO.(INTENDED USE) HSM1 SERIES	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL			
.XX ±	.XX ° ±		APPD: Shih-Wei Hsiao	TITLE: SPECIFICATION			
.XXX ±	.XXX ° ±	FINISH	CHKD: Tony Chen	DWG NO.: 307-0300-1747			
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					N/A	1/1	X2

1			2		3		4																																																									
			REV.		ECN NO.		APPD.																																																									
NOTE : 1. HARMFUL MATERIALS CONTROL PLEASE FOLLOW DOC. "EPI12" 2. PRODUCT NO. MATRIX: HEADER&SOCKET — H WTB SMT HEADER — S 1.50 PITCH — M VERTICAL, SINGLE ROW — 1 NO. OF SINGLE ROW POS. — CONTACT AREA PLATING. — H S M 1 * * * — * * * * — * * 02 =02 POS. 03 =03 POS. ... 0: TIN PLATING WITH LEAD FREE 1: GOLD FLASH WITH LEAD FREE RoHS CODE: F=LEAD FREE H=HALOGEN FREE & LEAD FREE PACKAGE TYPE: 7=TAPE REEL WITHOUT CAP 9=TAPE REEL WITH CAP 0:PREPARATION CODE 0:PREPARATION CODE LATCH CODE 0: WITH WINDOW LATCH 1: WITH POSITIVE LATCH 2: WITH DOUBLE LATCH(ONLY FOR POS.>=7) HOUSING TYPE : 0: OPEN(WITH WINDOW) TYPE 1: SEALED(WITH POSITIVE) TYPE HSG MATERIAL & COLOR: G: PA9T (WHITE) H: PA9T (BLACK) K: LCP (WHITE) L: LCP (BLACK) J: HTN (BLUE) 3. PLEASE CONTACT SALES REPRESENTATIVE TO VERIFY PRODUCT DETAIL & AVAILABILITY.																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">3</td> <td style="width:15%;">CAP</td> <td style="width:15%;">SEE NOTE ABOVE</td> <td style="width:20%;">HIGH TEMPERATURE NYLON, OR LCP THERMOPLASTIC, UL 94V-0</td> <td style="width:40%;">COLOR: BLACK</td> </tr> <tr> <td>2</td> <td>CONTACT</td> <td>SEE NOTE ABOVE</td> <td>COPPER ALLOY</td> <td> A) 50u" MIN. NICKEL UNDER PLATING OVER ALL B) 100u" MIN. MATTE TIN PLATING OVER ALL WITH RoHS COMPLANCE OR GOLD PLATING WITH LEAD FREE </td> </tr> <tr> <td>1</td> <td>HOUSING</td> <td>1</td> <td>PA9T/LCP/HTN THERMOPLASTIC, UL 94V-0</td> <td>HOUSING COLOR NATURE OR BLACK OR BLUE</td> </tr> <tr> <td>ITEM</td> <td>DESC.</td> <td>Q'TY</td> <td>MATERIAL</td> <td>TREATMENT</td> </tr> <tr> <td>X. ±</td> <td>X.° ±</td> <td>UNITS mm</td> <td colspan="2">NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT</td> </tr> <tr> <td>.X ±</td> <td>.X° ±</td> <td rowspan="2">MAT'L</td> <td colspan="2">PART NO.(INTENDED USE) HSM1 SERIES</td> </tr> <tr> <td>.XX ±</td> <td>.XX° ±</td> <td colspan="2">CLASS: ☐CONFIDENTIAL ☐SECRET ☒GENERAL</td> </tr> <tr> <td>.XXX ±</td> <td>.XXX° ±</td> <td>FINISH</td> <td>APPD: Shih-Wei Hsiao</td> <td>TITLE: MATERIAL SHEET</td> </tr> <tr> <td colspan="2" rowspan="3"> THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED. </td> <td>Q'TY</td> <td>CHKD: Chen Yuke</td> <td>DWG NO.: 307-0500-1747</td> </tr> <tr> <td></td> <td>DRAW: Vemin Wu</td> <td> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>SCALE</td> <td>SHEET</td> <td>REV.</td> </tr> <tr> <td>N/A</td> <td>1/1</td> <td>X5</td> </tr> </table> </td> </tr> <tr> <td></td> <td>8/13 2018</td> <td></td> </tr> </table>									3	CAP	SEE NOTE ABOVE	HIGH TEMPERATURE NYLON, OR LCP THERMOPLASTIC, UL 94V-0	COLOR: BLACK	2	CONTACT	SEE NOTE ABOVE	COPPER ALLOY	A) 50u" MIN. NICKEL UNDER PLATING OVER ALL B) 100u" MIN. MATTE TIN PLATING OVER ALL WITH RoHS COMPLANCE OR GOLD PLATING WITH LEAD FREE	1	HOUSING	1	PA9T/LCP/HTN THERMOPLASTIC, UL 94V-0	HOUSING COLOR NATURE OR BLACK OR BLUE	ITEM	DESC.	Q'TY	MATERIAL	TREATMENT	X. ±	X.° ±	UNITS mm	NAME(INTENDED USE) HEADER CONN. SINGLE ROW,VERTICAL,SMT		.X ±	.X° ±	MAT'L	PART NO.(INTENDED USE) HSM1 SERIES		.XX ±	.XX° ±	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL		.XXX ±	.XXX° ±	FINISH	APPD: Shih-Wei Hsiao	TITLE: MATERIAL SHEET	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED.		Q'TY	CHKD: Chen Yuke	DWG NO.: 307-0500-1747		DRAW: Vemin Wu	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td>SCALE</td> <td>SHEET</td> <td>REV.</td> </tr> <tr> <td>N/A</td> <td>1/1</td> <td>X5</td> </tr> </table>	SCALE	SHEET	REV.	N/A	1/1	X5		8/13 2018	
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