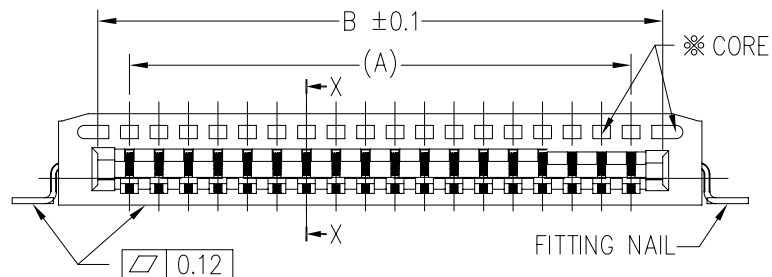
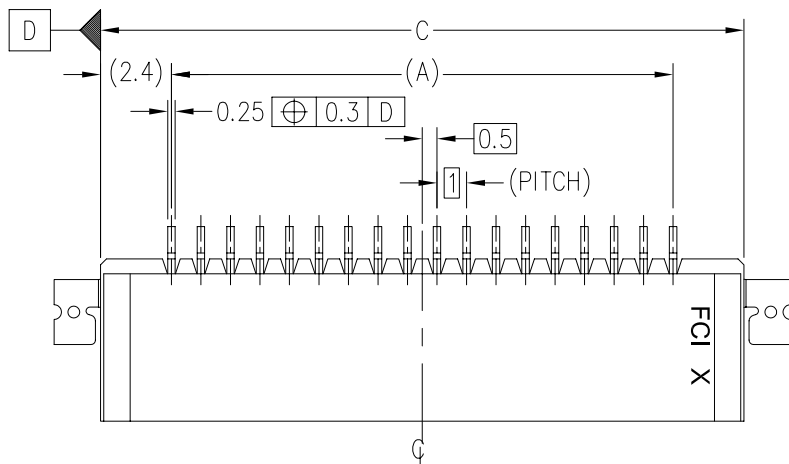


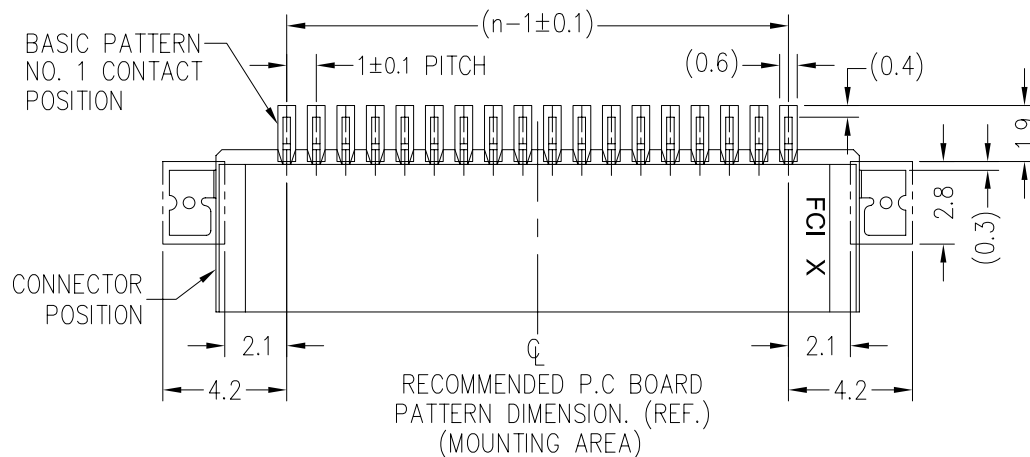
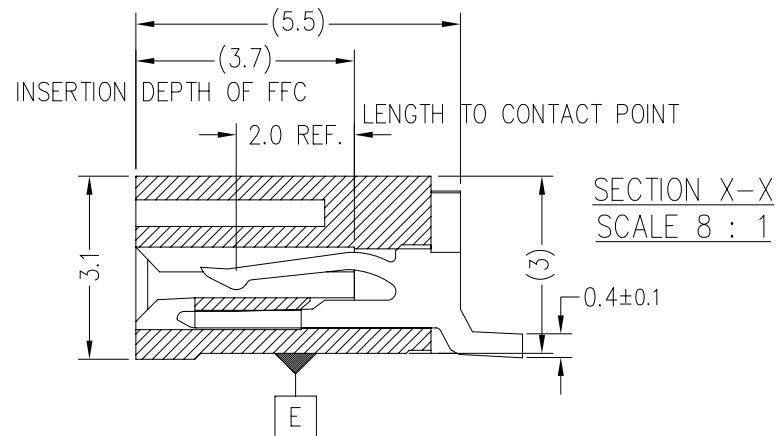


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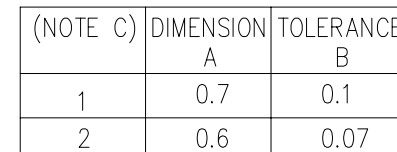
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(FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE)

MISALIGNMENT OF SOLDER TAIL AND FITTING NAIL FROM DATUM E
: UPPER DIRECTION .10 MAX. , LOWER DIRECTION 0.15 MAX.* <<ALTERNATE CORE AND RIB CONSTRUCTION, NON-FUNCTION,
AND OR FOR PLASTIC MOLDING PROCESS PURPOSE>>RECOMMENDED SOLDER PASTE
THICK 0.15mm [.006"] MIN.

mat'l. code				tolerances unless otherwise specified			projection	product family		
ltr	ecn no	dr	date	angles	linear	-----	mm	FFC/FPC		
A	S09-0060	DGOH	090331	X±2'		-----	scale 4:1	title		
B	S10-0107	DGOH	100513			.XX±.20				
				dr	DENNIS GOH	081222		1mm SPACING SMT FFC/FPC CONNECTOR		
				enrg	DENNIS GOH	100513				
				chr	DENNIS GOH	100513		dwg no		
				appd	JOEY NG	100513				
sheet	revision	B	B	B	B	B		type		
index	sheet	1	2	3	4	5	6			
								sheet 1 of 6		
								size		
								10094688		
								A4		
								Product Customer Drawing		



PART NO.	DESCRIPTION	MATERIAL	NOTE
1	INSULATOR	FLAME RESISTING POLYESTER OR EQUIVALENT	-----
2	CONDUCTOR	COPPER FOIL	PLATING: TIN OR SOLDER 1um MIN.
3	SUPPORTING TAPE	FLAME RESISTING POLYESTER OR EQUIVALENT	-----

A.) NO BURR AT EACH PORION.
B.) NO PEELING IN COMMON USE.
C.) BOTH COMBINATION IS ALLOWED.



PART NO.	DESCRIPTION	MATERIAL	THICKNESS (μm)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUIVALENT	25
2	CONDUCTOR	COPPER FOIL (PLATING: SOLDER 1μm MIN.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUIVALENT	-----
4	SUPPORTING TAPE		188

[illegible]

PART NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	HIGH TEMPERATURE THERMOPLASTIC REINFORCED (UL94V-0)	1	COLOR: BLACK
2	CONTACT	PHOSPHOR BRONZE	n	PLATING (LEAD FREE)
3	SMT CLIP	BRASS	2	



CATALOG NUMBER HFW (n) R -2 ST E1 MT LF

SERIES _____

NO. OF CONTACTS _____

RIGHT ANGLE TYPE _____

FOR FFC/FPC, CONTACT DIRECTION, (UPPER CONTACT TYPE) _____

FOR AUTOMATIC MOUNTING -- (SMT) _____

TAPE & REEL PACKAGING _____

MODIFY VERSION _____

LEAD FREE _____

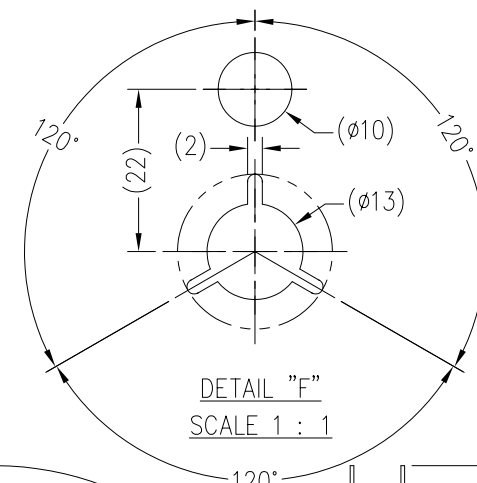
30	HFW30R-2STE1MTLF	29	31.14	33.8
29	HFW29R-2STE1MTLF	28	30.14	32.8
28	HFW28R-2STE1MTLF	27	29.14	31.8
27	HFW27R-2STE1MTLF	26	28.14	30.8
26	HFW26R-2STE1MTLF	25	27.14	29.8
25	HFW25R-2STE1MTLF	24	26.14	28.8
24	HFW24R-2STE1MTLF	23	25.14	27.8
23	HFW23R-2STE1MTLF	22	24.13	26.8
22	HFW22R-2STE1MTLF	21	23.14	25.8
21	HFW21R-2STE1MTLF	20	22.14	24.8
20	HFW20R-2STE1MTLF	19	21.14	23.8
19	HFW19R-2STE1MTLF	18	20.14	22.8
18	HFW18R-2STE1MTLF	17	19.14	21.8
17	HFW17R-2STE1MTLF	16	18.14	20.8
16	HFW16R-2STE1MTLF	15	17.14	19.8
15	HFW15R-2STE1MTLF	14	16.14	18.8
14	HFW14R-2STE1MTLF	13	15.14	17.8
13	HFW13R-2STE1MTLF	12	14.14	16.8
12	HFW12R-2STE1MTLF	11	13.14	15.8
11	HFW11R-2STE1MTLF	10	12.14	14.8
10	HFW10R-2STE1MTLF	9	11.14	13.8
9	HFW9R-2STE1MTLF	8	10.14	12.8
8	HFW8R-2STE1MTLF	7	9.14	11.8
7	HFW7R-2STE1MTLF	6	8.14	10.8
6	HFW6R-2STE1MTLF	5	7.14	9.8
5	HFW5R-2STE1MTLF	4	6.14	8.8
4	HFW4R-2STE1MTLF	3	5.14	7.8
CIRCUIT	CATALOG NO.	A	B	C

NOTES

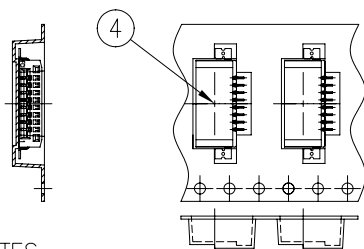
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. MISALIGNMENT OF SOLDER TAIL AND SMT CLIP FROM DATUM E : UPPER DIRECTION 0.10 MAX. , LOWER DIRECTION 0.15 MAX.
3. THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.
6. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
7. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l. code				tolerances unless otherwise specified			projection	product family		
lfr	ecn no	dr	date	angles	linear	-----	mm	FFC/FPC		
B						.XX±.20		title		
				X'±2'		-----	scale 4:1	1mm SPACING SMT FPC/FFC CONNECTOR		
				dr	DENNIS GOH	081222		dwg no		
				enr	DENNIS GOH	100513		sheet 3 of 6		
				chr	DENNIS GOH	100513		10094688		
				appd	JOEY NG	100513		A4		
sheet index		revision sheet						type Product Customer Drawing		

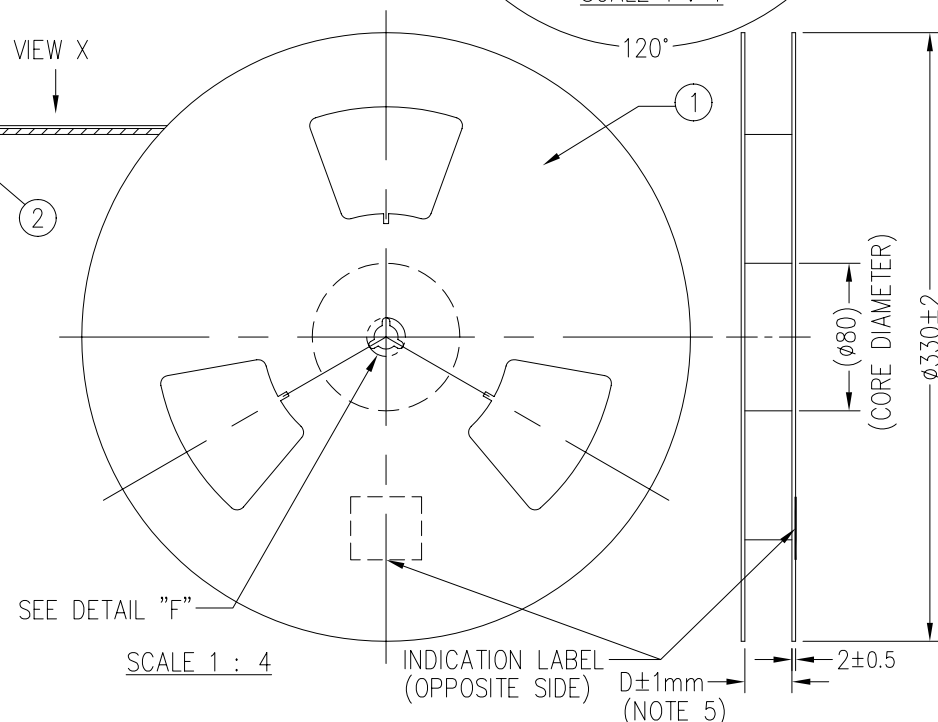
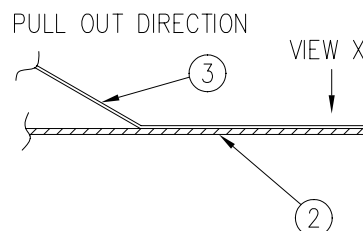
P/N:	PARTS NAME	CATALOG NO.	MATERIAL	QUANTITY	NOTE
①	REEL	-----	POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>	01	COLOR: BLACK
②	PLASTIC (EMBOSSSED) CARRIER TAPE	-----	POLYSTYRENE (0.4mm Thick)	-----	COLOR: (CLEAR) TRANSPARENCY
③	COVER (TOP TAPE)	-----	POLYESTER	-----	COLOR: (CLEAR) TRANSPARENCY
④	CONNECTOR	HFW__R-2STE1MTLF	SEE ATTACHED DRAWING	1,000PCS/REEL	UPPER CONTACT TYPE



UNLESS OTHERWISE SPECIFIED: ± 5 , ANGLE $\pm 5^\circ$
TOLERANCES

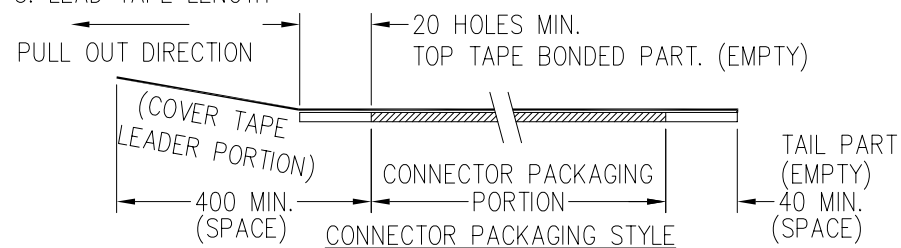


SCALE 4 : 1



NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONICS COMPONENTS ON CONTINUOUS TAPES, SURFACE MOUNT DEVICES) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSSED) TAPE AND REEL.
- LEAD TAPE LENGTH

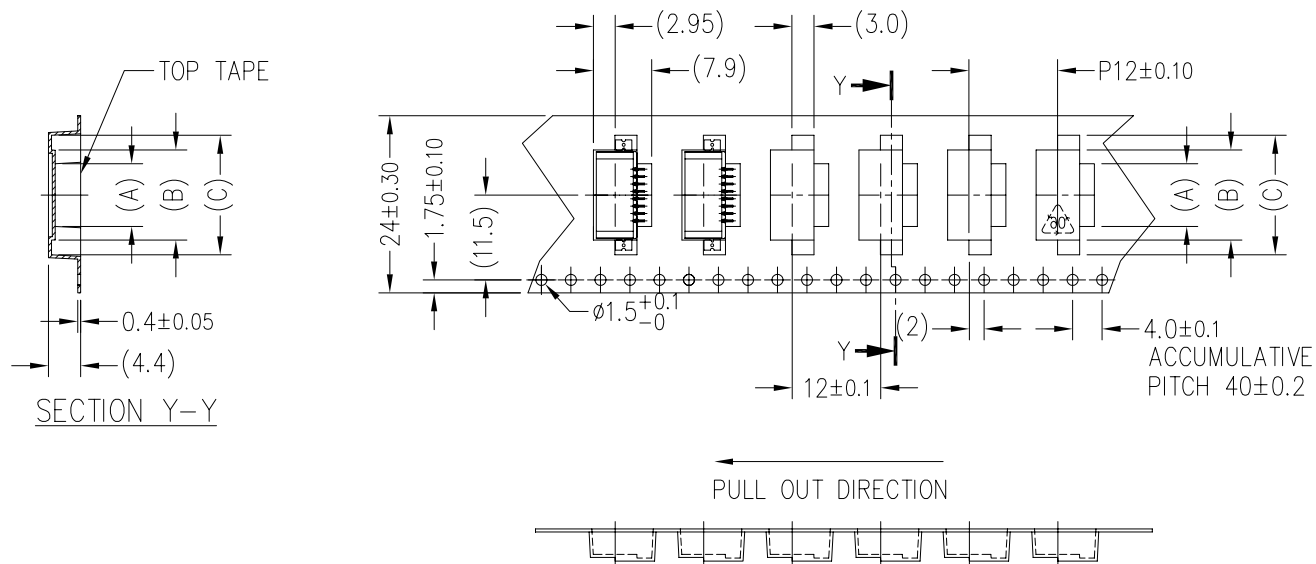


- PEELING OFF FORCE OF TOP TAPE TAPE: $0.1N \sim 0.7N$ ($10.2gf \sim 71.4gf$) (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.) THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT. PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



- $D \pm 1mm$ DIMENSION IS PORTION OF THE CORE.

mat'l. code				tolerances unless otherwise specified			projection		(NOTE 3) product family		
lfr	ecn no	dr	date	angles	linear	-----		FFC/FPC			
B						.XX±.20		mm	title		
						-----		scale 4:1	1mm SPACING SMT FPC/FFC CONNECTOR		
				dr	DENNIS GOH	081222		dwg no		sheet 4 of 6	size
				enrg	DENNIS GOH	100513		10094688		A4	
				chr	DENNIS GOH	100513					
				appd	JOEY NG	100513			type		Product Customer Drawing
sheet index		revision sheet									



10	HFW10R-2STE1MTLF	10.5	14.2	18.2	25.5	24
9	HFW9R-2STE1MTLF	9.5	13.2	17.2		
8	HFW8R-2STE1MTLF	8.5	12.2	16.2		
7	HFW7R-2STE1MTLF	7.5	11.2	15.5		
6	HFW6R-2STE1MTLF	6.5	10.2	14.2		
5	HFW5R-2STE1MTLF	5.5	9.2	13.2		
4	HFW4R-2STE1MTLF	4.5	8.2	12.2	D±1mm REEL CORE	CARRIER TAPE WIDTH
CIRCUIT	CATALOG NO.	(A)	(B)	(C)		

mat'l. code				tolerances unless otherwise specified			projection	product family		
lfr	ecn no	dr	date	angles	linear	-----		FFC/FPC		
B						.XX±.20		title		
				X'±2'		-----	mm	1mm SPACING SMT		
				dr	DENNIS GOH	081222	scale 4:1	FPC/FFC CONNECTOR		
				enr	DENNIS GOH	100513		dwg no		
				chr	DENNIS GOH	100513		sheet 5 of 6		
				appd	JOEY NG	100513		size		
								10094688		
								A4		
sheet index	revision sheet							type Product Customer Drawing		

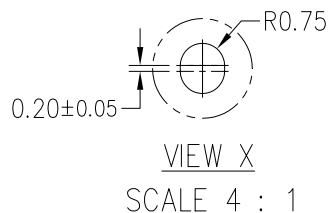


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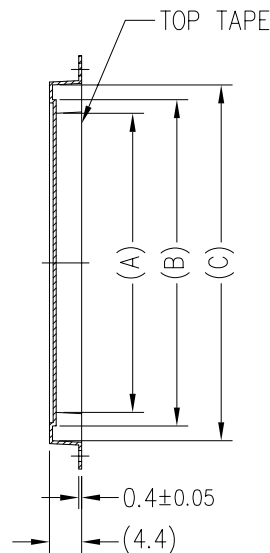
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D

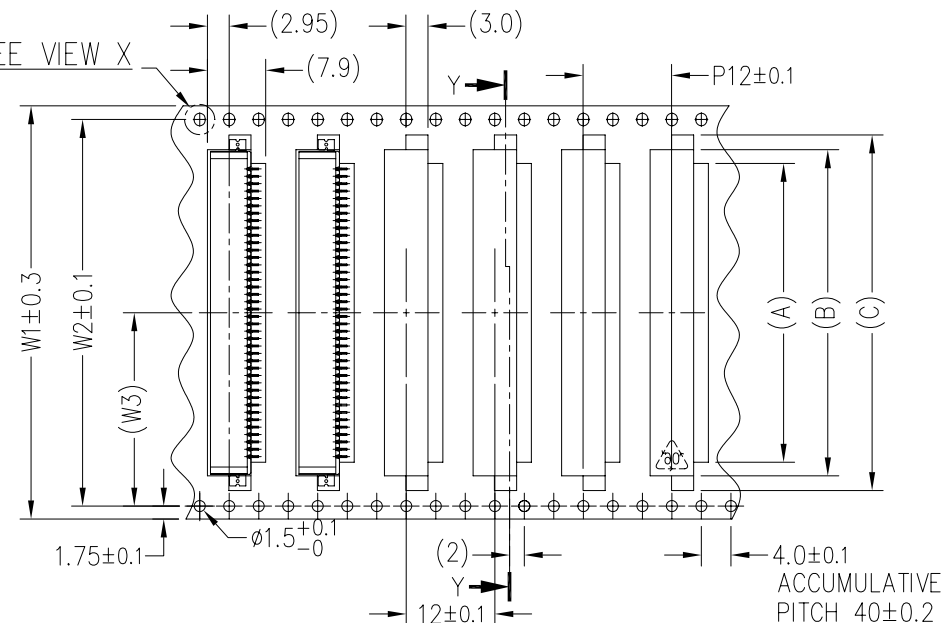
form: A4



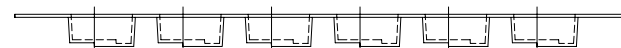
SECTION Y-Y



SEE VIEW X



PULL OUT DIRECTION



32mm, 44mm, & 56mm WIDTH CARRIER TAPE

30	HFW30R-2STE1MTLF	30.5	34.2	38.2	57.5	56	52.4	26.2
29	HFW29R-2STE1MTLF	29.5	33.2	37.2				
28	HFW28R-2STE1MTLF	28.5	32.2	36.2				
27	HFW27R-2STE1MTLF	27.5	31.2	35.2				
26	HFW26R-2STE1MTLF	26.5	30.2	34.2	45.5	44	40.4	20.2
25	HFW25R-2STE1MTLF	25.5	29.2	33.2				
24	HFW24R-2STE1MTLF	24.5	28.2	32.2				
23	HFW23R-2STE1MTLF	23.5	27.2	31.2				
22	HFW22R-2STE1MTLF	22.2	26.2	30.2				
21	HFW21R-2STE1MTLF	21.5	25.2	29.2				
20	HFW20R-2STE1MTLF	20.5	24.2	28.2	33.5	32	28.4	14.2
19	HFW19R-2STE1MTLF	19.5	23.2	27.2				
18	HFW18R-2STE1MTLF	18.5	22.2	26.2				
17	HFW17R-2STE1MTLF	17.5	21.2	25.2				
16	HFW16R-2STE1MTLF	16.5	20.2	24.2				
15	HFW15R-2STE1MTLF	15.5	19.2	23.2				
14	HFW14R-2STE1MTLF	14.5	18.2	22.2				
13	HFW13R-2STE1MTLF	13.5	17.2	21.2				
12	HFW12R-2STE1MTLF	12.5	16.2	20.2				
11	HFW11R-2STE1MTLF	11.5	15.2	19.2				
CIRCUIT	CATALOG NO.	(A)	(B)	(C)	D±1mm REEL CORE	W1	W2	(W3)
					CARRIER TAPE			

mat'l. code				tolerances unless otherwise specified		projection	product family	
lfr	ecn no	dr	date	angles	linear	mm	FFC/FPC	
B				X'±2'	linear	scale 4:1	title	
				dr	DENNIS GOH	081222	1mm SPACING SMT	
				enr	DENNIS GOH	100513	FPC/FFC CONNECTOR	
				chr	DENNIS GOH	100513	dwg no	
				appd	JOEY NG	100513	sheet 6 of 6	
sheet index		revision sheet						size
								A4
								type
								Product Customer Drawing

PDM: Rev:B

STATUS:Released

Printed: Jun 01, 2010