



THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

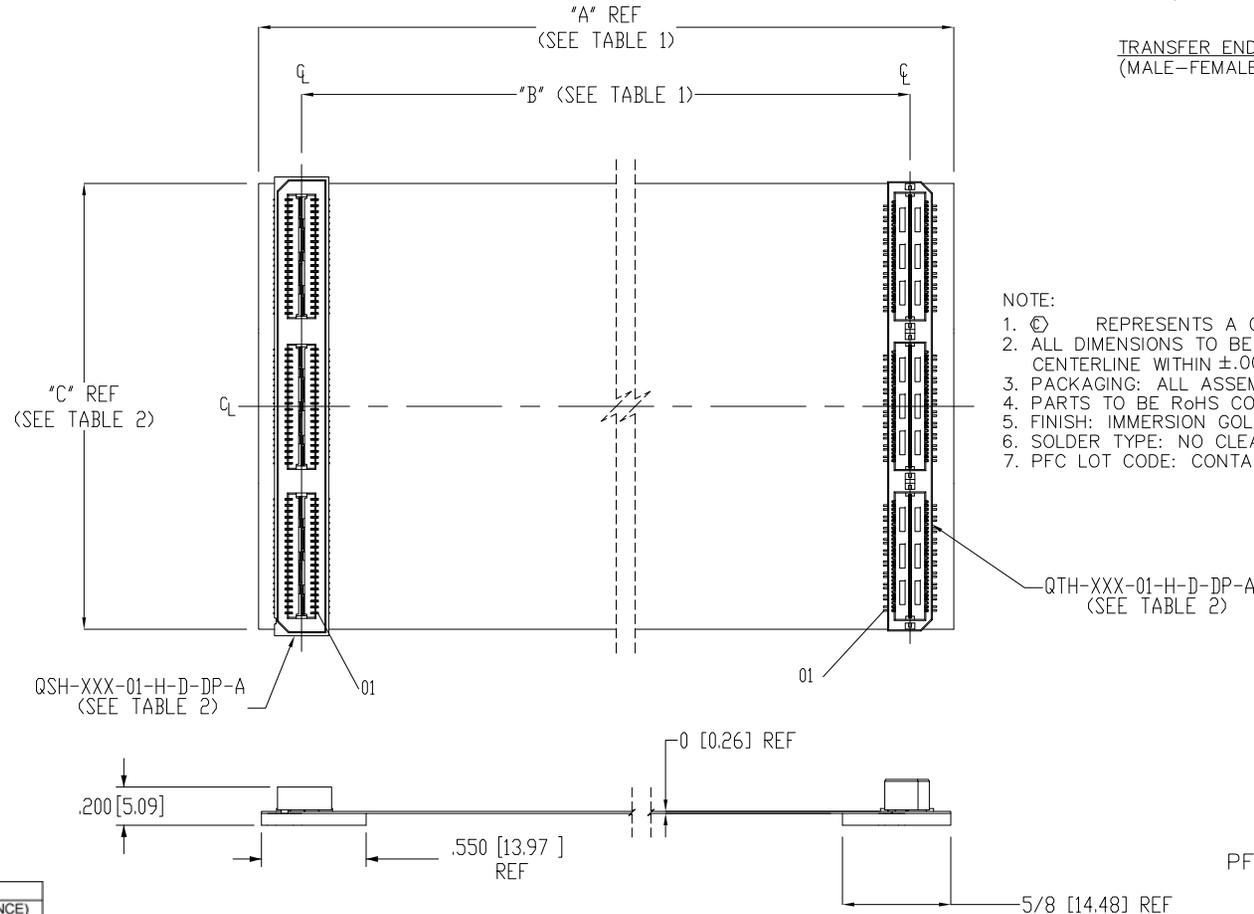
PFC-HFHM2-XXX-T-XX.XX-DP-XXX

No OF POSITIONS
-020, -040, -060 (PER ROW)

TRANSFER END
(MALE-FEMALE)

OPTION
-MH: MOUNTING HOLES (SEE FIG 2, SHEET 2)
-RT1: RETENTION FEATURE (SEE FIG 3, SHEET 3) (LEAVE BLANK FOR STANDARD)
-DP: DIFFERENTIAL PAIRS

LENGTH
-03.00: 3.00[76.2] INCHES
-05.00: 5.00[127.0] INCHES
-10.00: 10.00[254.0] INCHES



- NOTE:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
 2. ALL DIMENSIONS TO BE SYMMETRICAL ABOUT CENTERLINE WITHIN ±.002 [.05] UNLESS OTHERWISE STATED
 3. PACKAGING: ALL ASSEMBLIES TO BE PACKAGED TO PFC-WI-164
 4. PARTS TO BE RoHS COMPLIANT
 5. FINISH: IMMERSION GOLD (ENIG) PER IPC4552
 6. SOLDER TYPE: NO CLEAN LEAD-FREE
 7. PFC LOT CODE: CONTAIN PFC LOGO WITH UL MARKING AND WW-YY LOT#

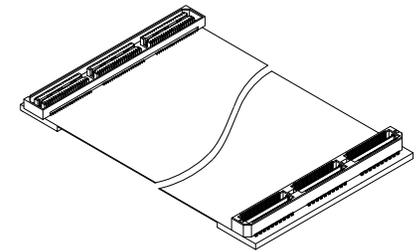


FIG 1
PFC-HFHM2-060-T-10.00-DP SHOWN

TABLE 3
(FOR FLEX MANUFACTURING REFERENCE)

PFC-HFHM2-020-T-03.00-DP
PFC-HFHM2-020-T-03.00-DP-MH
PFC-HFHM2-020-T-03.00-DP-RT1
PFC-HFHM2-040-T-03.00-DP
PFC-HFHM2-040-T-03.00-DP-MH
PFC-HFHM2-040-T-03.00-DP-RT1
PFC-HFHM2-060-T-03.00-DP
PFC-HFHM2-060-T-03.00-DP-MH
PFC-HFHM2-060-T-03.00-DP-RT1
PFC-HFHM2-020-T-05.00-DP
PFC-HFHM2-020-T-05.00-DP-MH
PFC-HFHM2-020-T-05.00-DP-RT1
PFC-HFHM2-040-T-05.00-DP
PFC-HFHM2-040-T-05.00-DP-MH
PFC-HFHM2-040-T-05.00-DP-RT1
PFC-HFHM2-060-T-05.00-DP
PFC-HFHM2-060-T-05.00-DP-MH
PFC-HFHM2-060-T-05.00-DP-RT1
PFC-HFHM2-020-T-10.00-DP
PFC-HFHM2-020-T-10.00-DP-MH
PFC-HFHM2-020-T-10.00-DP-RT1
PFC-HFHM2-040-T-10.00-DP
PFC-HFHM2-040-T-10.00-DP-MH
PFC-HFHM2-040-T-10.00-DP-RT1
PFC-HFHM2-060-T-10.00-DP
PFC-HFHM2-060-T-10.00-DP-MH
PFC-HFHM2-060-T-10.00-DP-RT1

TABLE 2

No. OF POS	"C"	"D"	"E"	"F"	"G"	QSH-XXX-01-H-D-DP-XXX	QTH-XXX-01-H-D-DP-XXX
-020	.768 +/- .010 [19.50 +/- 0.25]	1.0875[27.623]	1.3375[33.973]	1.1285[28.663]	1.1285[28.663]	QSH-020-01-H-D-DP-A OR QSH-020-01-H-D-DP-A-RT1 (FOR -RT1 OPTION)	QTH-020-01-H-D-DP-A OR QTH-020-01-H-D-DP-A-RT1 (FOR -RT1 OPTION)
-040	1.556 +/- .010 [39.52 +/- 0.25]	1.8755[47.638]	2.1255[53.988]	1.916[40.872]	1.916[40.872]	QSH-040-01-H-D-DP-A OR QSH-040-01-H-D-DP-A-RT1 (FOR -RT1 OPTION)	QTH-040-01-H-D-DP-A OR QTH-040-01-H-D-DP-A-RT1 (FOR -RT1 OPTION)
-060	2.344 +/- .010 [59.54 +/- 0.25]	2.6635[67.653]	2.9135[74.003]	2.7035[74.003]	2.7035[74.003]	QSH-060-01-H-D-DP-A OR QSH-060-01-H-D-DP-A-RT1 (FOR -RT1 OPTION)	QTH-060-01-H-D-DP-A OR QTH-060-01-H-D-DP-A-RT1 (FOR -RT1 OPTION)

TABLE 1

LENGTH	"A"	"B"
-3.00	3.00[76.2]	2.54[64.5]
-5.00	5.00[127.0]	4.54[115.3]
-10.00	10.00[254.0]	9.54[242.3]

TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

PROPRIETARY NOTE

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PFC FLEXIBLE CIRCUITS

11 CANADIAN ROAD UNIT 7 SCARBOROUGH ONTARIO
PHONE: 416-750-8433 FAX: 416-750-0016
e-Mail: sales@pfcflex.com

DO NOT SCALE DRAWING

CONNECTOR MATERIALS:
INSULATORS: LCP
CONTACTS, TERMINALS, & GROUND PLANES:
PHOS BRONZE
FLEX MATERIALS:
SEE CROSS SECTION DETAIL

SHEET SCALE: 1:1

DESCRIPTION:
HIGH SPEED FLEX 0.5mm ASSEMBLY

DWG. NO.
PFC-HFHM2-XXX-T-XX.XX-DP-XXX

BY: PFC 11/06/2012 SHEET 1 OF 3

HFHM2-DP			
-20 Shown. -40 and -60 repeat same pattern.			
J1 Pin	Signal	J2 Pin	DP Pair
1	S	1	Pair
3	S	3	
5	G	5	Pin Omitted
2	S	2	Pair
4	S	4	
6	G	6	Pin Omitted
7	S	7	Pair
9	S	9	
11	G	11	Pin Omitted
8	S	8	Pair
10	S	10	
12	G	12	Pin Omitted
13	S	13	Pair
15	S	15	
17	G	17	Pin Omitted
14	S	14	Pair
16	S	16	
18	G	18	Pin Omitted
19	S	19	Pair
21	S	21	
23	G	23	Pin Omitted
20	S	20	Pair
22	S	22	
24	G	24	Pin Omitted
25	S	25	Pair
27	S	27	
29	G	29	Pin Omitted
26	S	26	Pair
28	S	28	
30	G	30	Pin Omitted
31	S	31	Pair
33	S	33	
35	G	35	Pin Omitted
32	S	32	Pair
34	S	34	
36	G	36	Pin Omitted
37	S	37	Pair
39	S	39	
41	G	41	Pin Omitted
38	S	38	Pair
40	S	40	
42	G	42	Pin Omitted
43	S	43	Pair
45	S	45	
47	G	47	Pin Omitted
44	S	44	Pair
46	S	46	
48	G	48	Pin Omitted
49	S	49	Pair
51	S	51	
53	G	53	Pin Omitted
50	S	50	Pair
52	S	52	
54	G	54	Pin Omitted
55	S	55	Pair
57	S	57	
59	G	59	Pin Omitted

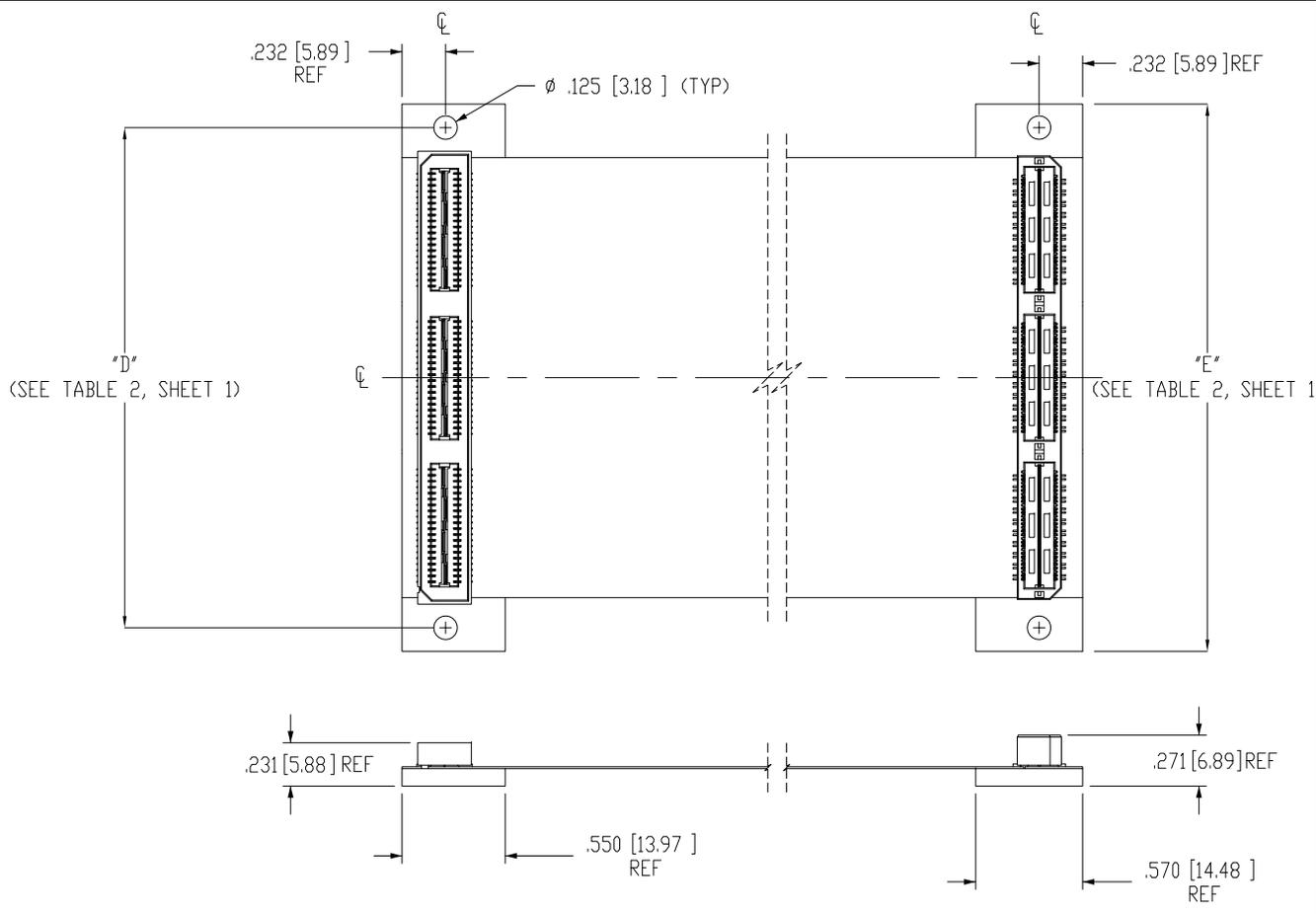


FIG 2
 -MH OPTION
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)
 PFC-HFHM2-060-T-10.00-DP-MH SHOWN

(ALL STACKUP DIMS REF)	
COVERFILM	.001[0.03] POLYIMIDE .001[0.03] ADHESIVE
COPPER CLAD	1/2 oz COPPER .001[0.03] POLYIMIDE 1/2 oz COPPER
COVERFILM	.001[0.03] ADHESIVE .001[0.01] POLYIMIDE
ADHESIVE	.002[0.05] ADHESIVE
STIFFENER	STANDARD: .059[1.50] FR4 -MH OPTION: .093[2.36] FR4 -RT1 OPTION: .093[2.36] FR4

CROSS SECTION OF FLEX & STIFFENER
NOT TO SCALE

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SHEET SCALE: 1:1

PFC FLEXIBLE CIRCUITS

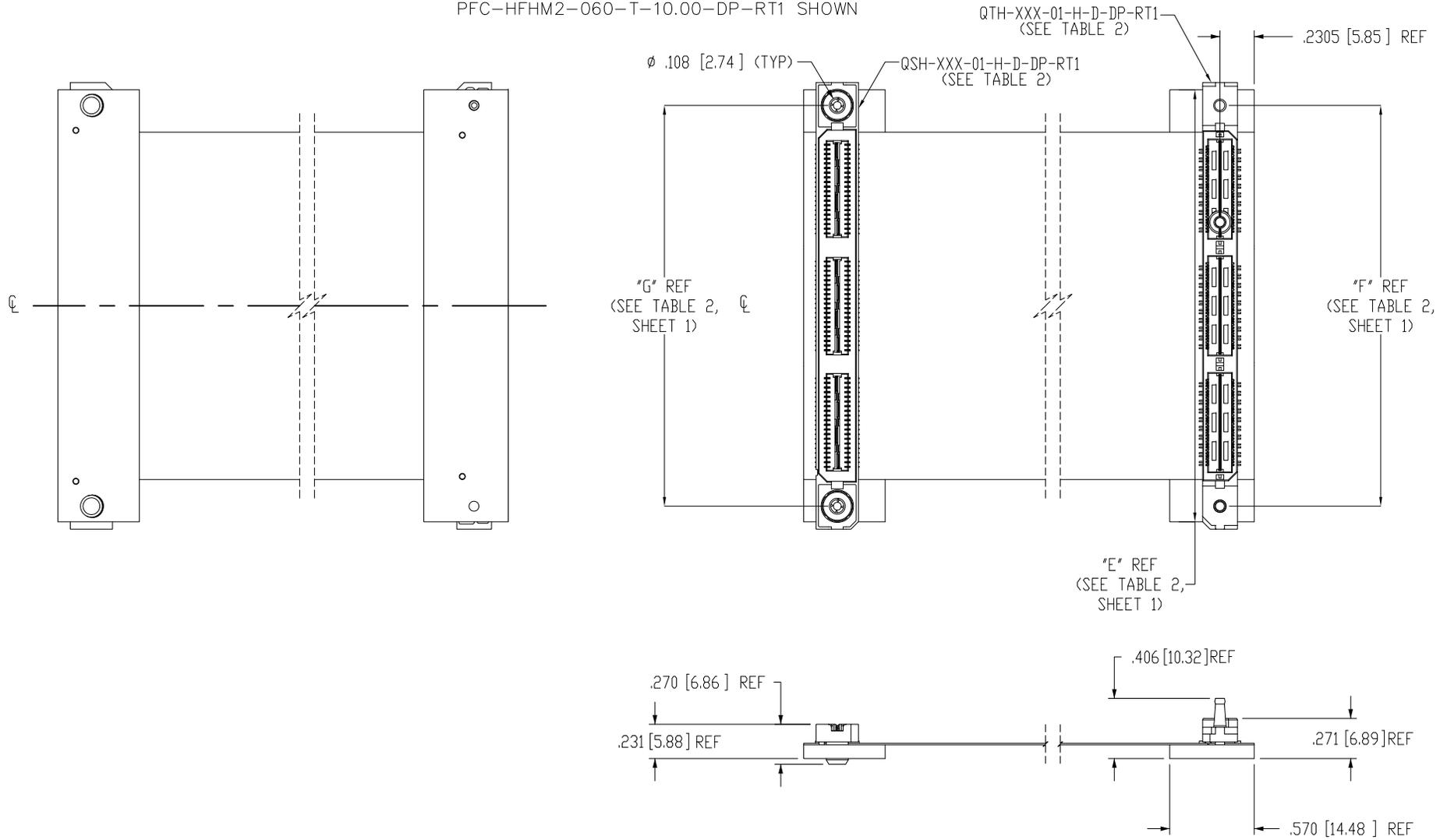
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DESCRIPTION:
 HIGH SPEED FLEX 0.5mm ASSEMBLY

DWG. NO.
 PFC-HFHM2-XXX-T-XX.XX-DP-XXX

BY: PFC 11/06/2012 SHEET 2 OF 3

FIG 3
 -RT1 OPTION
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)
 PFC-HFHM2-060-T-10.00-DP-RT1 SHOWN



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DWG. NO.
 PFC-HFHM2-XXX-T-XX.XX-DP-XXX

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