KEY SHOWN
IN POSITION A

PIN A1

A

H
STACK HEIGHT

C

SEE NOTE 12

D

VERTICAL RECEPTACLE HOLE PATTERN
(CONNECTOR SIDE)

⊕ ⌀0.10
⌀4.38 ±0.04
UNPLATED HOLE

8.44   B   1.06

4.40 3X

1.90

⊕ ⌀0.10
⌀0.39 ±0.05
(12 HOLES
PER COLUMN)

1.35
11X

ROW M
ROW L
ROW K
ROW J
ROW H
ROW G
ROW F
ROW E
ROW D
ROW C
ROW B
ROW A

20.15   14.85   11.42   4.45

2.65   2.30

⊕ ⌀0.10
⌀2.45 ±0.04
UNPLATED HOLES
2X

PIN A1

KEEP-OUT ZONE

GROUND HOLE
REF

SIGNAL HOLES
REF

NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30 µINCH MIN GOLD IN CONTACT AREA.
   SELECTIVE MATTE TIN ON PCB TAILS. NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999 FOR
   PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
5. SEE CHART FOR PACKAGING SPECIFICATIONS.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
   COSMETIC SPEC PS-45499-002.
7. REFER TO MOLEX SALES DRAWING SD-170335-0002 FOR THE MATING HEADERS
8. REFER TO MOLEX ROUTING PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD
   AND ROUTING RECOMMENDATIONS.
9. GROUND PATHS ARE NOT DISCRETE WITHIN CONNECTOR DUE TO PRESENCE
   OF PLUS CLIP.
10. PART NUMBER 170390-3130 SHOWN ON DRAWING. KEYING FEATURES WILL
    CHANGE WITH COLUMN SIZE.
11. FOR SCREW PART NUMBER AND FUNCTIONAL BOARD THICKNESS REFER TO
    CHART ON SHEET 2. IN ORDER TO ACCOMMODATE ALTERNATE BOARD
    THICKNESSES PLEASE CONTACT MOLEX.
12. MARKING: LOCATED APPROXIMATELY AS SHOWN. PART NUMBER AND DATE CODE.

DIMENSION UNITS	SCALE	CURRENT REV DESC: ADD PN1703903*03				**molex**
MM	NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)						IMPACT 4-PAIR 85-OHM LEFT GUIDE MEZZANINE SALES DRAWING
ANGULAR TOL ± 0.5 °		EC NO: 620149				
4 PLACES	±	DRWN: SKRISHNAMURT		2019/06/04		
3 PLACES	±	CHK'D: SHONG		2019/08/16		PRODUCT CUSTOMER DRAWING
2 PLACES	± 0.13	APPR: SHONG		2019/08/16		
1 PLACE	± 0.25	INITIAL REVISION:			DOCUMENT NUMBER	DOC TYPE / DOC PART / REVISION
0 PLACES	±	DRWN: JJONIAK		2011/01/20	SD-170390-0002	PSD / 001 / B4
		APPR: JLAURX		2013/04/05		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION ⊕ ◁	DRAWING C-SIZE	SERIES 170390	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL MARKET / SHEET NUMBER 1 OF 2

DOCUMENT STATUS P1 RELEASE DATE 2019/08/16 08:02:37

PART NUMBER CHART

18mm STACK HEIGHT (DIM H)

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIRS	DIM "A" MAX	DIM "B"	DIM "C"	DIM "D"	PACKAGING SPEC	SCREW P/N	FUNCTIONAL BOARD THICKNESS
170390-3*03	6	24	19.0	9.5	15.36	19.41	PK-70873-4001	73726-0005	2.0mm TO 3.0mm
170390-3*08	8	32	22.8	13.3					
170390-3*00	10	40	26.6	17.1					
170390-3*02	12	48	30.4	20.9					
170390-3*07	14	56	34.2	24.7					
170390-3*06	16	64	38.0	28.5					
170390-3*09	18	72	41.8	32.3					

25mm STACK HEIGHT (DIM H)

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIRS	DIM "A" MAX	DIM "B"	DIM "C"	DIM "D"	PACKAGING SPEC	SCREW P/N	FUNCTIONAL BOARD THICKNESS
170390-3*28	8	32	22.8	13.3	22.36	19.41	PK-70873-4002	73726-0000	1.0mm TO 5.0mm
170390-3*20	10	40	26.6	17.1					
170390-3*22	12	48	30.4	20.9					
170390-3*27	14	56	34.2	24.7					
170390-3*26	16	64	38.0	28.5					
170390-3*29	18	72	41.8	32.3					

37mm STACK HEIGHT (DIM H)

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIRS	DIM "A" MAX	DIM "B"	DIM "C"	DIM "D"	PACKAGING SPEC	SCREW P/N	FUNCTIONAL BOARD THICKNESS
170390-3*38	8	32	22.8	13.3	34.36	20.65	PK-70873-0044	73726-0000	1.0mm TO 5.0mm
170390-3*30	10	40	26.6	17.1					
170390-3*32	12	48	30.4	20.9					
170390-3*37	14	56	34.2	24.7					
170390-3*36	16	64	38.0	28.5					
170390-3*39	18	72	41.8	32.3					

0.35
OFFSET BETWEEN FEMALE AND MALE HOLE PATTERNS

BACKPLANE (SERIES 170335)

VERTICAL FEMALE
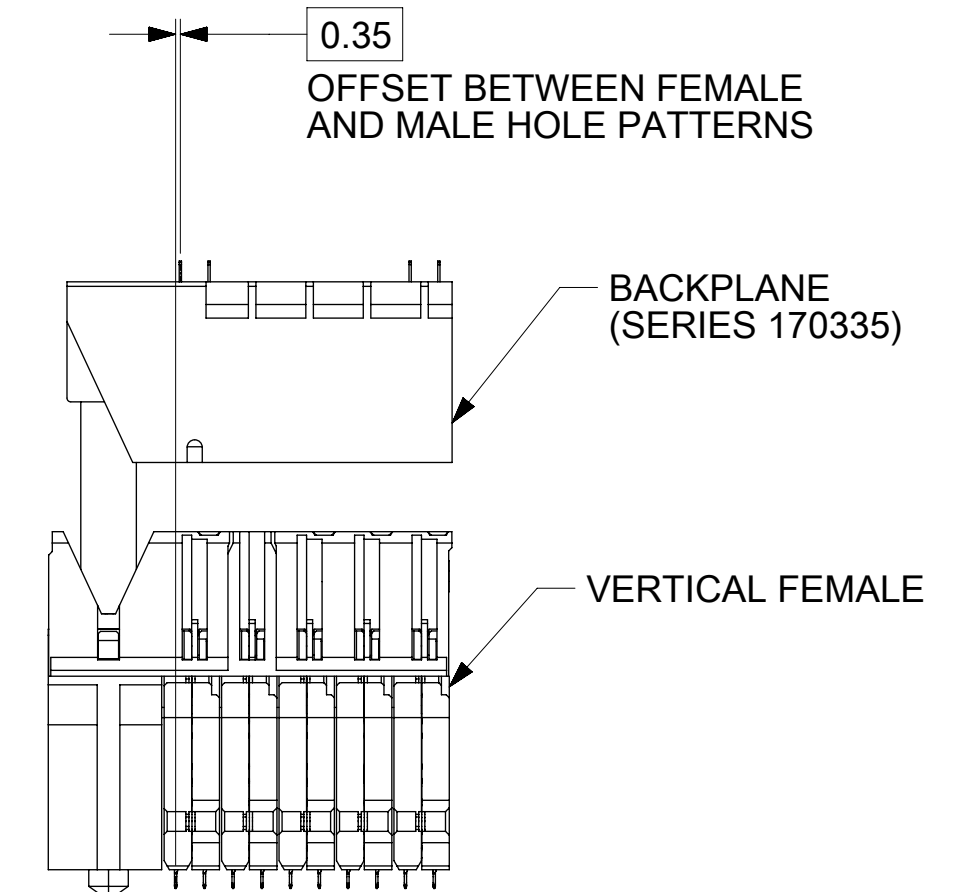
PART NUMBER LOGIC

170390-****

MODULE AND TAIL PLATING TYPE
3 = GUIDE LEFT, MATTE TIN

KEY ORIENTATION
0 = NO KEY
1 = A   5 = E
2 = B   6 = F
3 = C   7 = G
4 = D   8 = H

STACK HEIGHT (H)
0 = 18mm
2 = 25mm
3 = 37mm

# OF COLUMNS
3 = 6 COL
8 = 8 COL
0 = 10 COL
2 = 12 COL
7 = 14 COL
6 = 16 COL
9 = 18 COL