

- NOTES:**
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  - FINISH: 30μ INCH MIN GOLD IN CONTACT AREA, SELECTIVE MATTE TIN ON PCB TAILS, NICKEL OVERALL.
  - REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
  - CONNECTORS SUPPLIED WITH A 2-56 UNC-2A SCREW.
  - "THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR. WHEN LAYING OUT A PC BOARD FOR CONNECTORS STACK TOGETHER, USE A 1.9mm PROGRESSION."
  - SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
  - FOR GROUNDED GUIDE PINS USE  $\varnothing 3.56 \pm 0.08$  (PTH),  $\varnothing 3.66$  (DRILL) &  $\varnothing 6.5$  (PAD).
  - MINIMUM CIRCUIT BOARD THICKNESS: 1.0mm.
  - REFER TO MOLEX PRODUCT SPECIFICATION PS-170540-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
  - PARTS PACKAGED PER PK-70873-759.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
MIGRATED TO NX EC NO: 168852 DRWN: NVELUSAMY CHKD: CD REV / APPR: GGA	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE							
			MM	4:1							
	ANGULAR TOL ± 2.0 °		DRWN BY	DATE	<b>IMPACT 5-PAIR 85-OHM LEFT GUIDED BACKPLANE SALES ASSEMBLY DRAWING</b>						
	4 PLACES ±		JBINGHAM	2010/05/19							
	3 PLACES ±		CHKD BY	DATE	<b>PRODUCT CUSTOMER DRAWING</b>						
	2 PLACES ± 0.13		JLAURX	2010/05/19							
	1 PLACE ± 0.25		APPR BY	DATE	SERIES: 170475    MATERIAL NUMBER: SEE TABLE    CUSTOMER: GENERAL MARKET						
	0 PLACES ±		JLAURX	2013/05/21							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
	C		C		SD-170475-0002		PSD	001	1 OF 3		

# PART NUMBER LOGIC

170475-\*\*\*\*

MODULE TYPE  
 3 = GUIDE LEFT, MATTE TIN  
 7 = GUIDE LEFT END WALL, MATTE TIN

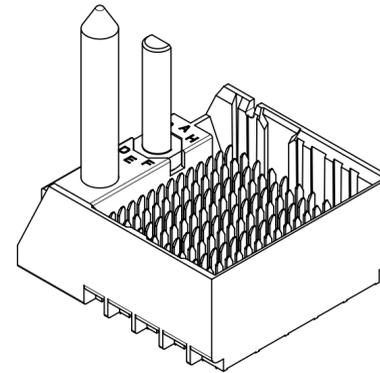
# OF COLUMNS  
 1 = 10 COL  
 2 = 12 COL  
 6 = 16 COL  
 8 = 8 COL

P=PIN LENGTH  
 3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH)  
 4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH)  
 5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH)  
 6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH)  
 7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH)  
 8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH)

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

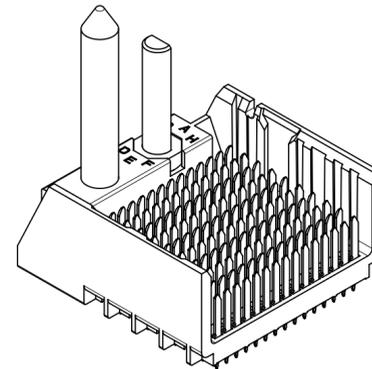
## PART NUMBER CHART

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM. A	DIM. B	GUIDE LEFT END WALL OPTION
170475-78**	8	40	23.1	13.30	
170475-71**	10	50	26.9	17.10	
170475-72**	12	60	30.7	20.90	
170475-76**	16	80	38.3	28.50	



GUIDE LEFT  
END WALL  
OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM. A	DIM. B	GUIDE LEFT OPEN WALL OPTION
170475-38**	8	40	21.7	13.30	
170475-31**	10	50	25.5	17.10	
170475-32**	12	60	29.3	20.90	
170475-36**	16	80	36.9	28.50	

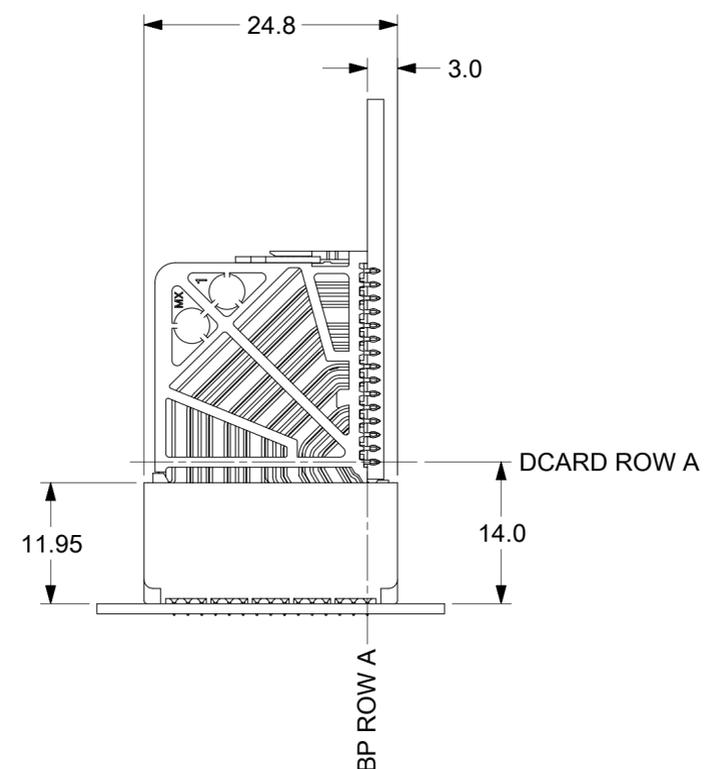
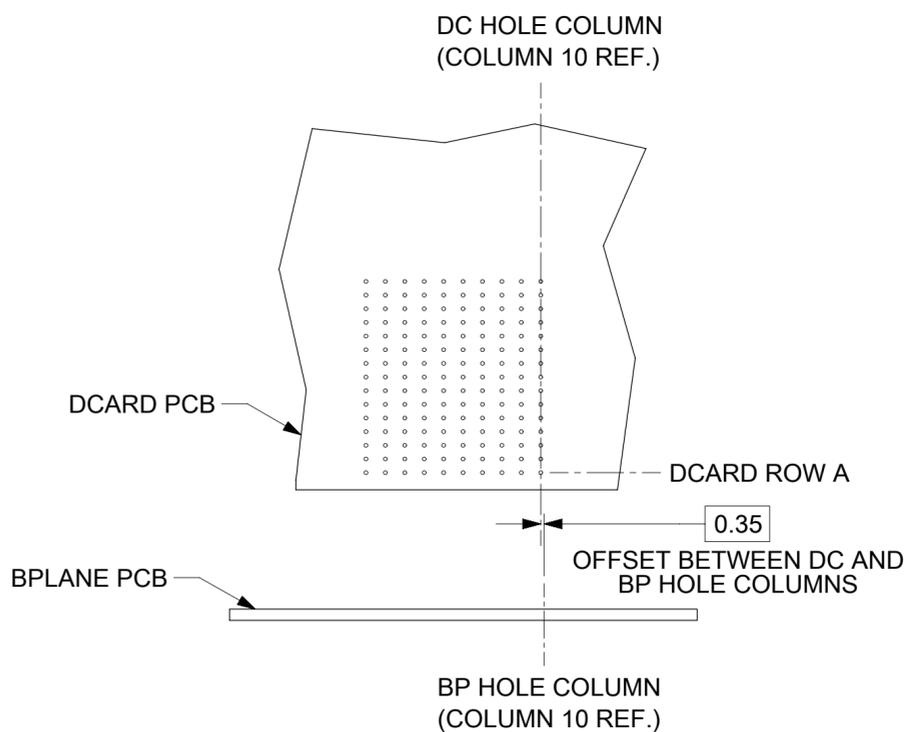
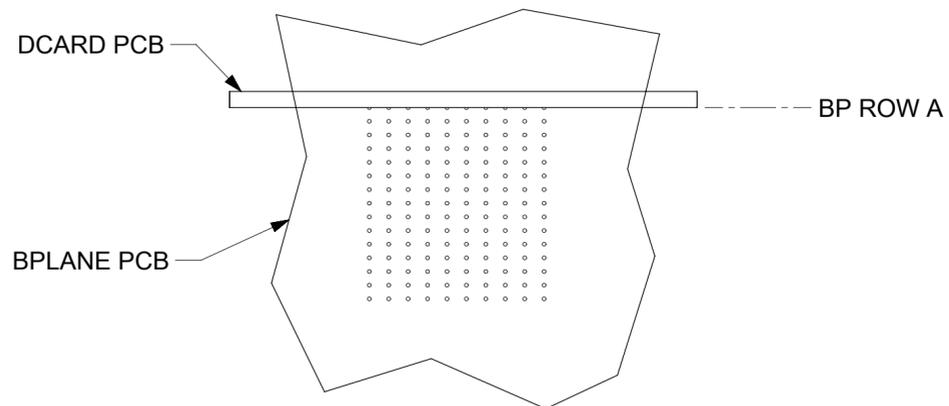


GUIDE LEFT  
OPEN WALL  
OPTION

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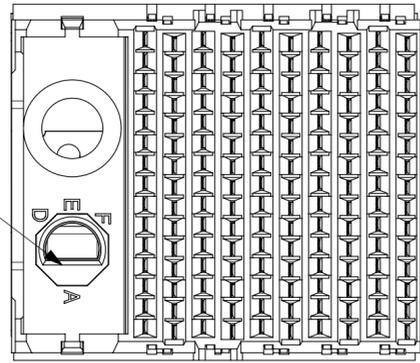
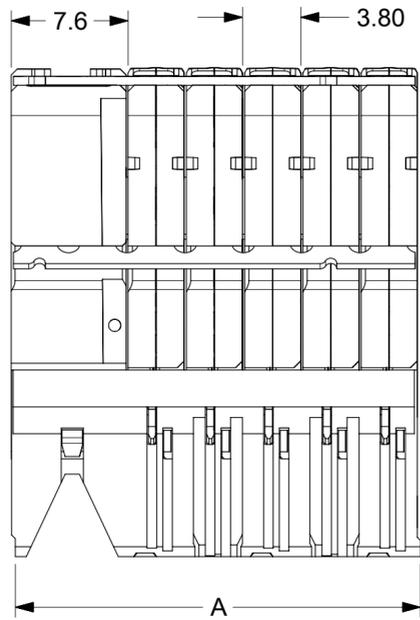
EC NO: 168852 DRWN: NVELUSAMY CHKD: CD REV: APPR: GGA MIGRATED TO NX 2017/10/25 2017/11/30 2017/12/01	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE		
	ANGULAR TOL ± 2.0 °		MM	2:1		
	4 PLACES ±	DRWN BY	DATE	JBINGHAM		2010/05/19
	3 PLACES ±	CHKD BY	DATE	JLAURX		2010/05/19
	2 PLACES ± 0.13	APPR BY	DATE	JLAURX		2013/05/21
1 PLACE ± 0.25	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	SERIES: 170475 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET	
0 PLACES ±	C				DOCUMENT NUMBER: SD-170475-0002 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 2 OF 3	

# IMPACT 5 PAIR BOARD RELATIONSHIPS

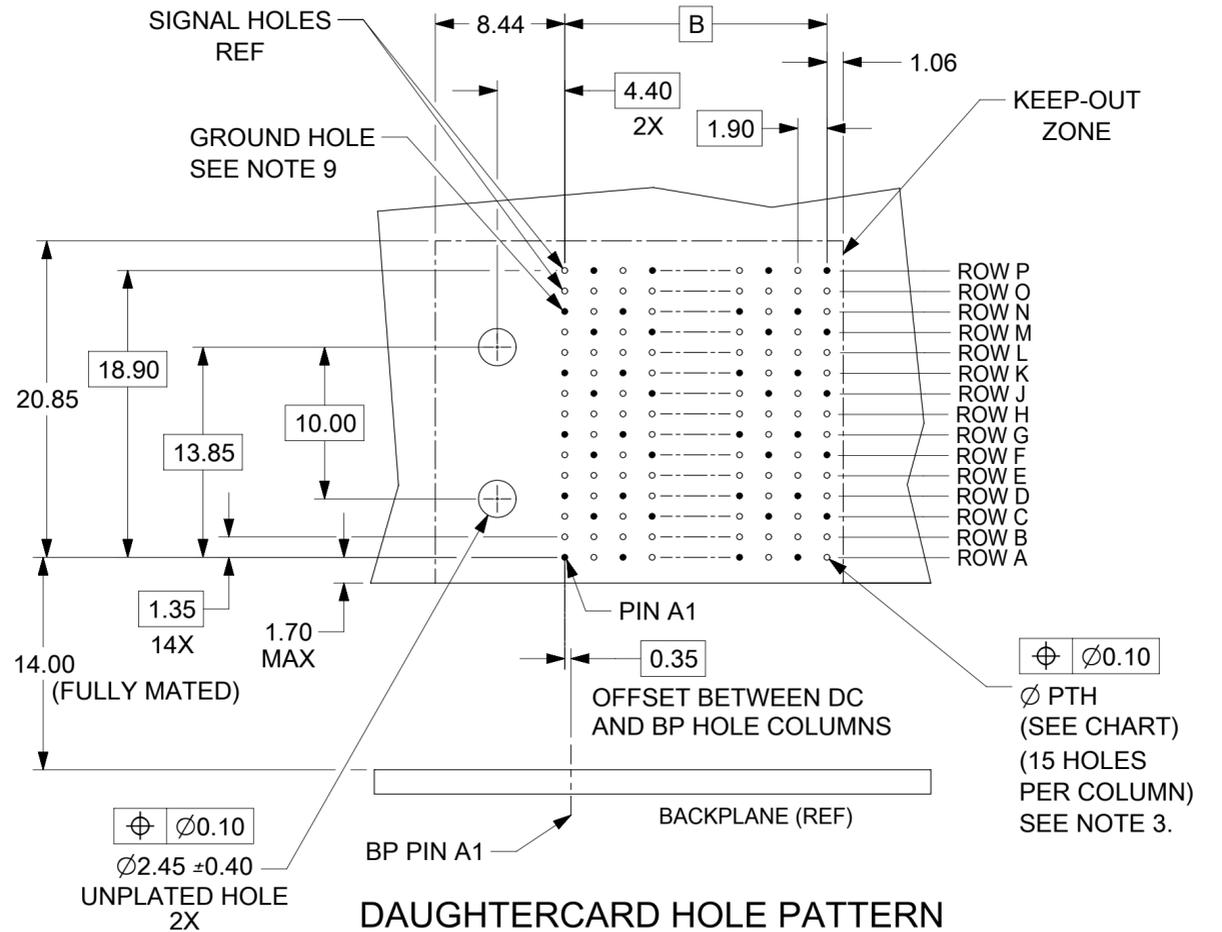
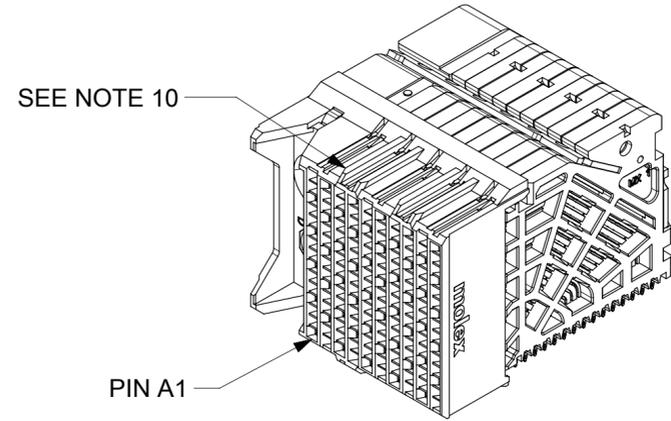
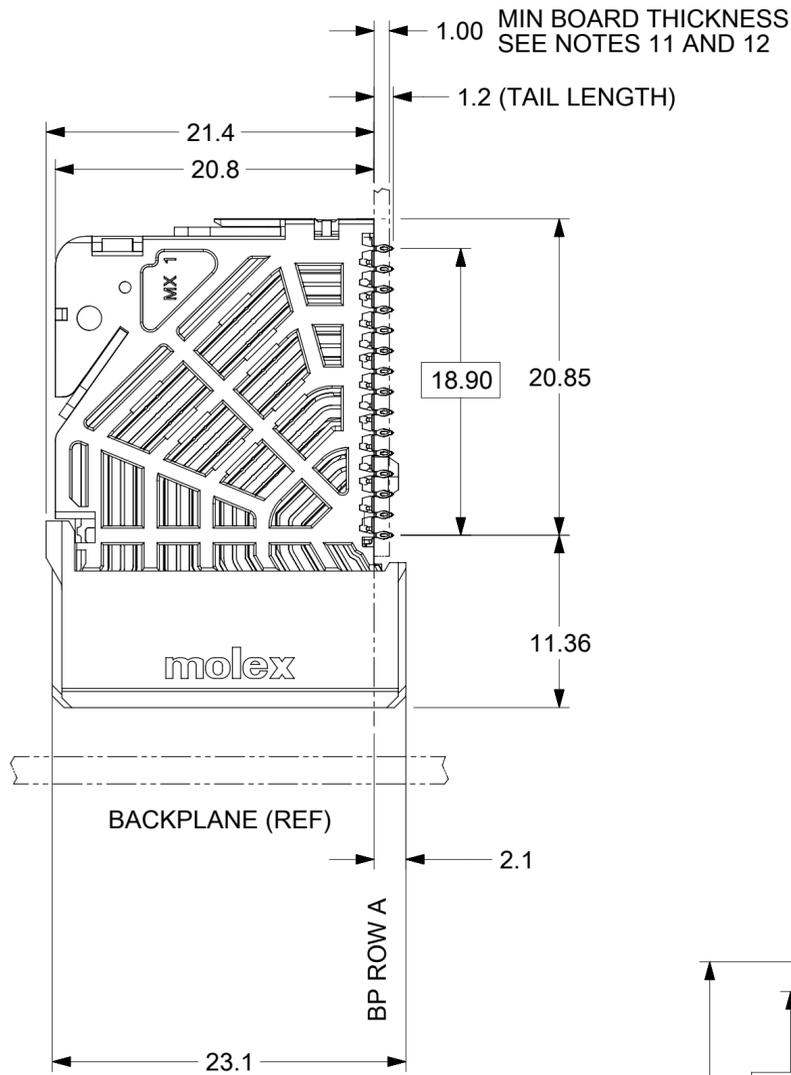


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MIGRATED TO NX EC NO: 168852 DRWN: NVELUSAMY CHKD: CD REV / APPR: GGA	2017/10/25		2017/11/30		2017/12/01		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS: MM		SCALE: 3:1		<b>molex</b> IMPACT 5-PAIR 85-OHM LEFT GUIDED BACKPLANE SALES ASSEMBLY DRAWING				
	4 PLACES		±		ANGULAR TOL ± 2.0 °		DRWN BY: JBINGHAM		DATE: 2010/05/19		PRODUCT CUSTOMER DRAWING						
	3 PLACES		±		1 PLACE		± 0.13		CHKD BY: JLAURX					DATE: 2010/05/19		SERIES: 170475	MATERIAL NUMBER: SEE TABLE
	2 PLACES		±		0 PLACES		± 0.25		APPR BY: JLAURX		DATE: 2013/05/21		DOCUMENT NUMBER: SD-170475-0002	DOC TYPE: PSD	DOC PART: 001	SHEET NUMBER: 3 OF 3	



KEY SHOWN IN POSITION "A"



- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  2. FINISH: 30µIN MIN SELECTIVE GOLD IN CONTACT AREA, SELECTIVE TIN  
ON PCB TAILS. NICKEL OVERALL.
  3. REFER TO MOLEX PRODUCT SPEC PS-170540-999 FOR PERFORMANCE SPECIFICATIONS  
AND ADDITIONAL PCB INFORMATION.
  4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
  5. PRODUCT IS PACKAGED PER PK-70873-611.
  6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
  7. REFER TO MOLEX SALES DRAWING SD-170475-0002 OR RSD-170472-XXXX FOR THE  
MATING HEADERS.
  8. REFER TO MOLEX PCB MOUNTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING  
RECOMMENDATIONS.
  9. GROUND PATHS ARE NOT DISCRETE CIRCUITS WITHIN CONNECTOR DUE TO PRESENCE  
OF PLUS CLIP.
  10. PART NUMBER 170480-3120 SHOWN ON DRAWING. KEYING FEATURES WILL CHANGE  
WITH COLUMN SIZE.
  11. MINIMUM BOARD THICKNESS IS 1.00 mm FOR COMPLIANT PIN FUNCTIONALITY.
  12. WHEN USING MOLEX SUPPLIED # 2-32 SCREW 73726-0000 (9.50 NOMINAL  
THREADABLE SCREW LENGTH), THE MAXIMUM BOARD THICKNESS IS 4.4 mm.

DAUGHTERCARD HOLE PATTERN  
(CONNECTOR SIDE)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX					
mm		NTS		<p>IMPACT 5 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL GUIDE LEFT SALES DWG</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-170480-0002   DOC TYPE: PSD   DOC PART: 001   REVISION: B3</p> <p>MATERIAL NUMBER: SEE TABLE   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 1 OF 2</p>					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 0.5°									
4 PLACES ±									
3 PLACES ±									
2 PLACES ± 0.13									
1 PLACE ± 0.25									
0 PLACES ±				INITIAL REVISION:					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES			
				C-SIZE		170480			

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A" MAX	DIM "B"	PTH $\varnothing$
170480-3*08	8	40	22.80	13.30	0.46 $\pm 0.05$
170480-3*10	10	50	26.60	17.10	
170480-3*12	12	60	30.40	20.90	
170480-3*16	16	80	38.00	28.50	
170480-3*38	8	40	22.80	13.30	0.39 $\pm 0.05$
170480-3*20	10	50	26.60	17.10	
170480-3*22	12	60	30.40	20.90	
170480-3*26	16	80	38.00	28.50	

170480-3\*\*\*

MODULE & TAIL PLATING TYPE  
3 = LEFT GUIDED, LEAD-FREE

# OF COLUMNS  
08 = 8 COL 0.46 PTH  
10 = 10 COL 0.46 PTH  
12 = 12 COL 0.46 PTH  
16 = 16 COL 0.46 PTH

POLARIZATION KEY ORIENTATION

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

38 = 8 COL 0.39 PTH  
20 = 10 COL 0.39 PTH  
22 = 12 COL 0.39 PTH  
26 = 16 COL 0.39 PTH

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DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX				<b>molex</b>	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 612222				IMPACT 5 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL GUIDE LEFT SALES DWG	
ANGULAR TOL $\pm 0.5^\circ$				DRWN: BREVANSIDDAB 2018/11/15					
4 PLACES $\pm$				CHK'D: TMARRI 2019/02/19				PRODUCT CUSTOMER DRAWING	
3 PLACES $\pm$				APPR: BOKOK 2019/02/20					
2 PLACES $\pm 0.13$				INITIAL REVISION:				DOCUMENT NUMBER <b>SD-170480-0002</b>	
1 PLACE $\pm 0.25$				DRWN: JLAURX 2010/09/28					
0 PLACES $\pm$				APPR: JLAURX 2010/10/19				DOC TYPE PSD	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 170480	
DOCUMENT STATUS		P1		RELEASE DATE		2019/02/20 10:38:11		CUSTOMER GENERAL MARKET	
12		11		10		9		SHEET NUMBER 2 OF 2	