

- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 2. FINISH: 30μ INCH MIN GOLD IN CONTACT AREA, SELECTIVE MATTE TIN ON PCB TAILS, NICKEL OVERALL.
 3. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
 4. CONNECTORS SUPPLIED WITH A 2-56 UNC-2A SCREW.
 5. "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."
 6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
 7. FOR GROUNDED GUIDE PINS USE $\phi 3.56 \pm 0.08$ (PTH), $\phi 3.66$ (DRILL) & $\phi 6.5$ (PAD).
 8. MINIMUM CIRCUIT BOARD THICKNESS: 1.0mm.
 9. REFER TO MOLEX PRODUCT SPECIFICATION PS-170540-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
 10. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
 11. PARTS PACKAGED PER PK-70873-759.

MIGRATED TO NX		EC NO: 168852		2017/10/25		DRWN: NVELUSAMY		2017/11/30		CHKD: CD		2017/12/01		REV / APPR: GGA	
GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION UNITS		SCALE						IMPACT 5-PAIR 85-OHM RIGHT GUIDED BACKPLANE SALES ASSEMBLY DRAWING			
ANGULAR TOL ± 2.0 °				MM		4:1									
4 PLACES ±		DRWN BY		DATE		JBINGHAM		2010/05/19		SERIES		MATERIAL NUMBER		CUSTOMER	
3 PLACES ±		CHKD BY		DATE		JLAURX		2010/05/19		170475		SEE TABLE		GENERAL MARKET	
2 PLACES ± 0.13		APPR BY		DATE		JLAURX		2013/05/21		DOCUMENT NUMBER		DOC TYPE		DOC PART SHEET NUMBER	
1 PLACE ± 0.25		DRAWING SIZE		THIRD ANGLE PROJECTION		C		SD-170475-0003		PSD		001		1 OF 3	
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													

PART NUMBER LOGIC

170475-****

MODULE TYPE
 5 = GUIDE RIGHT, MATTE TIN
 9 = GUIDE RIGHT END WALL, MATTE TIN

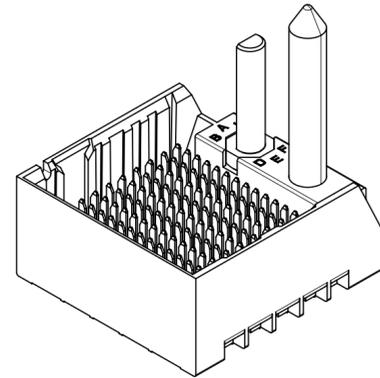
OF COLUMNS
 1 = 10 COL
 2 = 12 COL
 6 = 16 COL
 8 = 8 COL

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

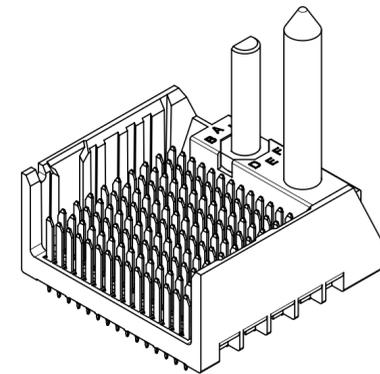
PART NUMBER CHART

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM. A	DIM. B	GUIDE RIGHT END WALL OPTION
170475-98**	8	40	23.1	13.30	
170475-91**	10	50	26.9	17.10	
170475-92**	12	60	30.7	20.90	
170475-96**	16	80	38.3	28.50	



GUIDE RIGHT
END WALL
OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM. A	DIM. B	GUIDE RIGHT OPEN WALL OPTION
170475-58**	8	40	21.7	13.30	
170475-51**	10	50	25.5	17.10	
170475-52**	12	60	29.3	20.90	
170475-56**	16	80	36.9	28.50	

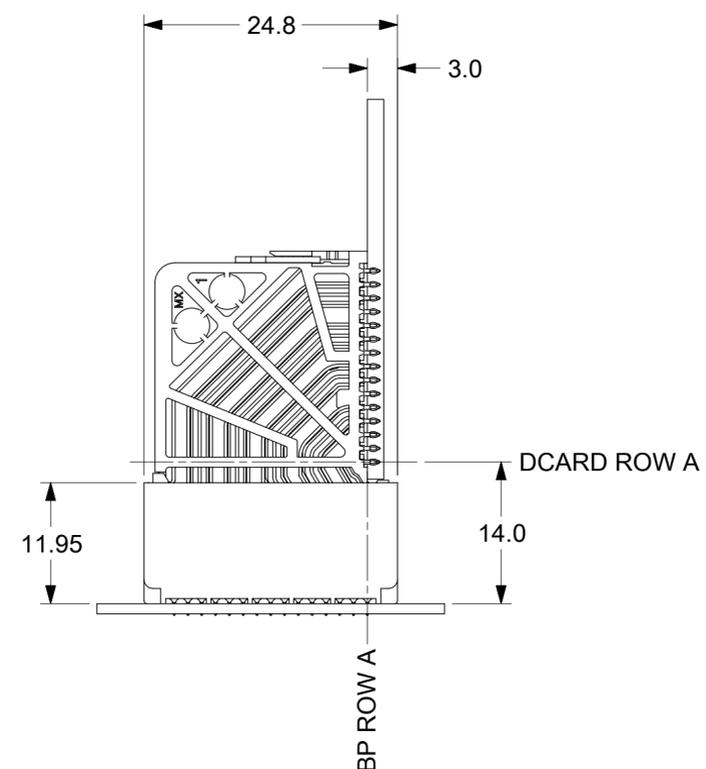
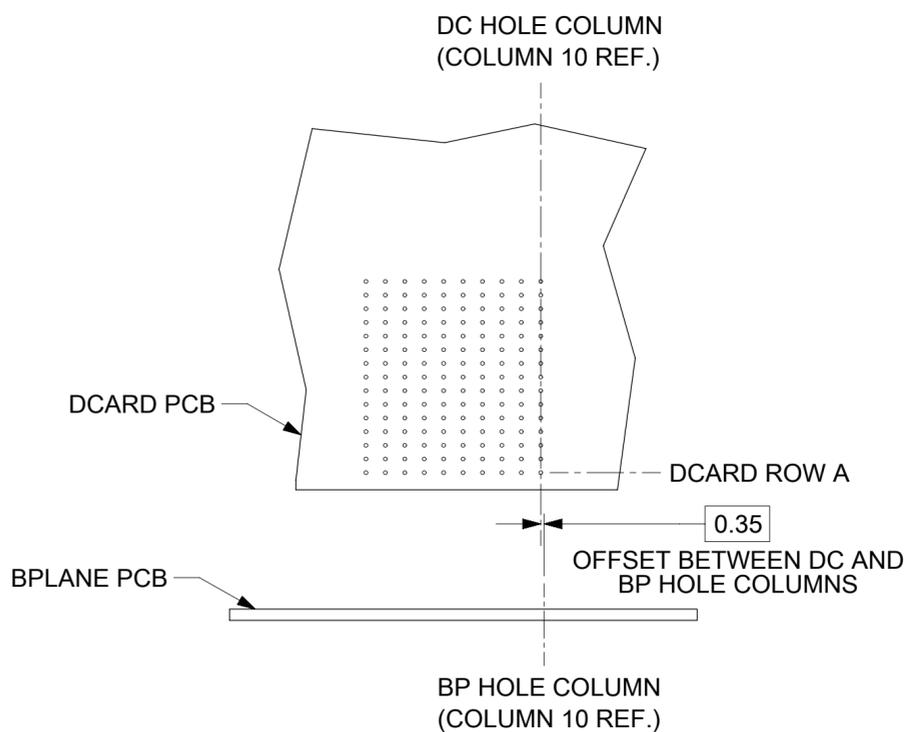
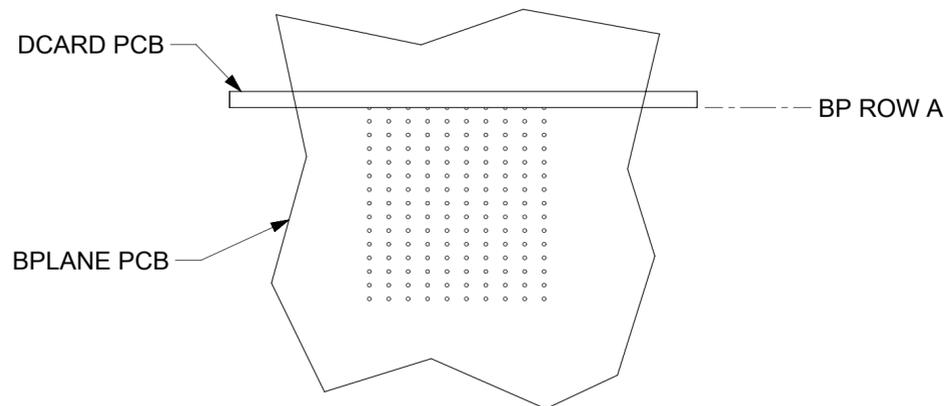


GUIDE RIGHT
OPEN WALL
OPTION

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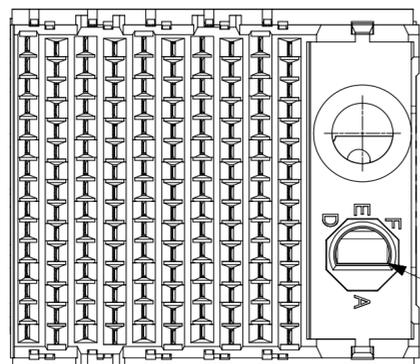
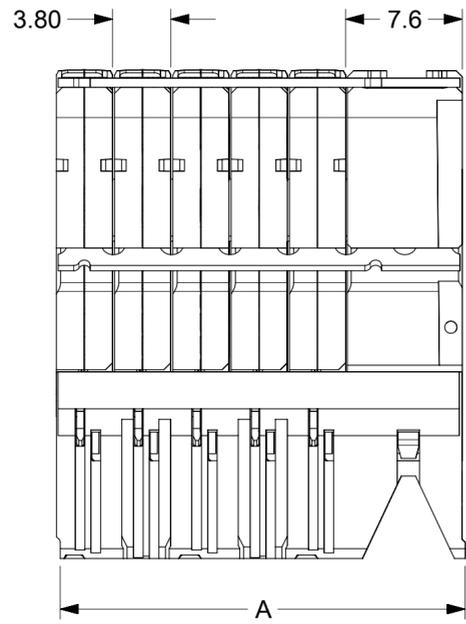
MIGRATED TO NX EC NO: 168852 DRWN: NVELUSANY CHKD: CD REV: APPR: GGA	2017/10/25	2017/11/30	2017/12/01	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS: MM	SCALE: 2:1	
	DRWN BY: JBINGHAM DATE: 2010/05/19			ANGULAR TOL ± 2.0 °	DRWN BY: JBINGHAM	DATE: 2010/05/19	
	CHKD BY: JLAURX DATE: 2010/05/19			4 PLACES ±	CHKD BY: JLAURX	DATE: 2010/05/19	
	APPR BY: JLAURX DATE: 2013/05/21			3 PLACES ±	APPR BY: JLAURX	DATE: 2013/05/21	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			2 PLACES ± 0.13	DRAWING SIZE: C	THIRD ANGLE PROJECTION	
			1 PLACE ± 0.25	PRODUCT CUSTOMER DRAWING			
			0 PLACES ±	SERIES: 170475 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET			
			DOCUMENT NUMBER: SD-170475-0003 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 2 OF 3				

IMPACT 5 PAIR BOARD RELATIONSHIPS

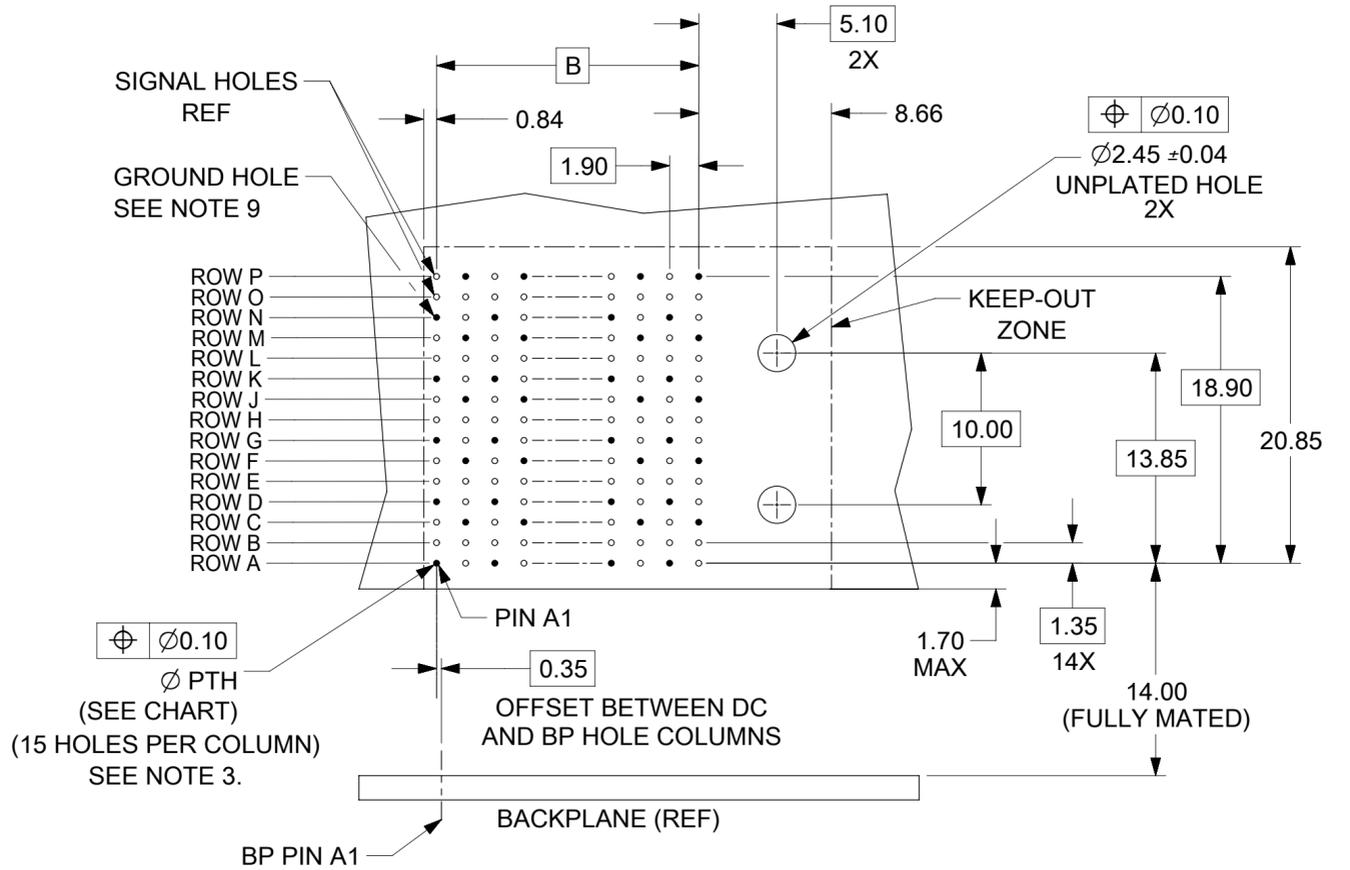
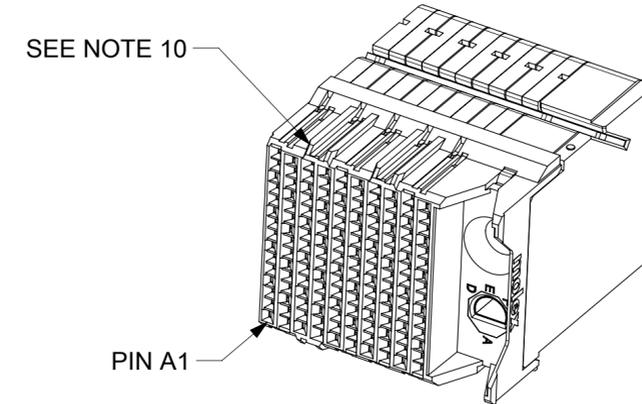
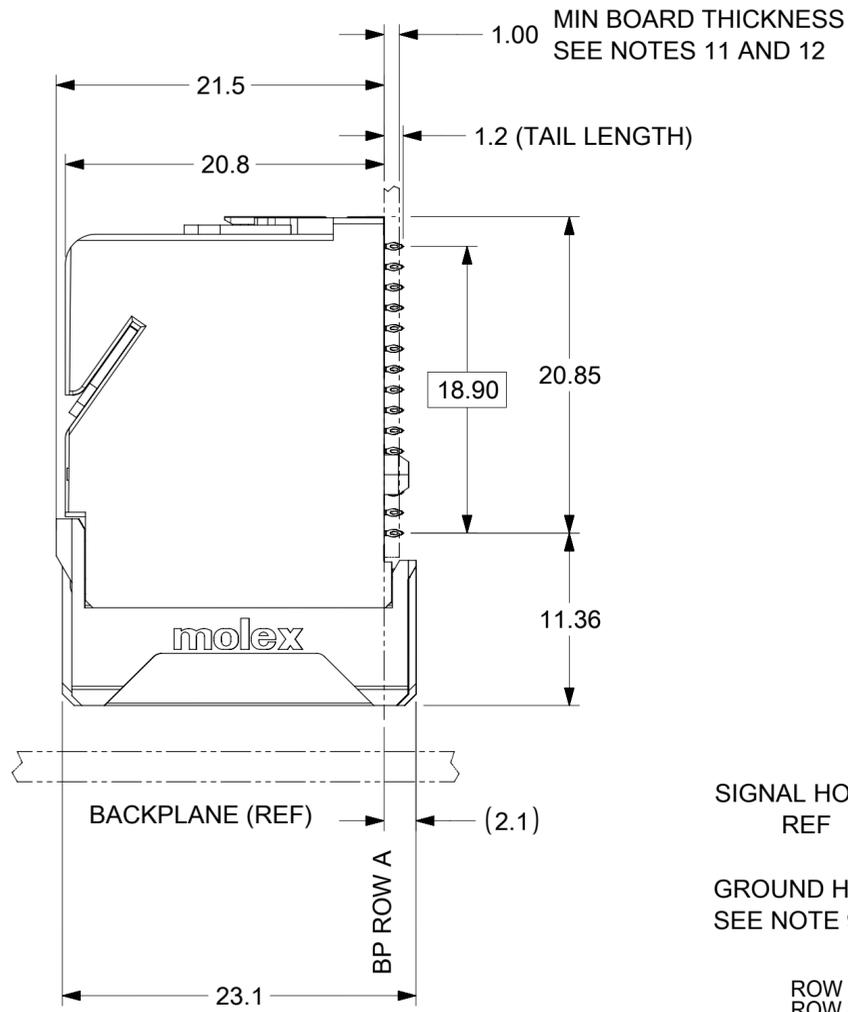


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MIGRATED TO NX EC NO: 168852 DRWN: NVELUSAMY CHKD: CD REV / APPR: GGA	2017/10/25		2017/11/30		2017/12/01		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS: MM		SCALE: 3:1		molex IMPACT 5-PAIR 85-OHM RIGHT GUIDED BACKPLANE SALES ASSEMBLY DRAWING					
	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		DRAWING SIZE: C	THIRD ANGLE PROJECTION		DOCUMENT NUMBER: SD-170475-0003	DOC TYPE: PSD	DOC PART: 001



KEY SHOWN
IN POSITION "A"



**DAUGHTERCARD HOLE PATTERN
(CONNECTOR SIDE)**

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-170475-0003 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 CONNECOTR DUE TO PRESENCE
OF PLUS CLIP.
10. PART NUMBER 170480-5120 SHOWN ON DRAWING. KEYING FEATURES WILL CHANGE
WITH COLUMN SIZE
11. MINIMUM BOARD THICKNESS IS 1.0 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 4.4mm.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX					
mm		NTS		<p>IMPACT 5 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL GUIDE RIGHT SALES DWG</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-170480-0004 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			

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/20	10:38:12
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MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A" MAX	DIM "B"	PTH ϕ
170480-5*08	8	40	22.80	13.30	0.46 ± 0.05
170480-5*10	10	50	26.60	17.10	
170480-5*12	12	60	30.40	20.90	
170480-5*16	16	80	38.00	28.50	
170480-5*38	8	40	22.80	13.30	0.39 ± 0.05
170480-5*20	10	50	26.60	17.10	
170480-5*22	12	60	30.40	20.90	
170480-5*26	16	80	38.00	28.50	

170480-5***

MODULE & TAIL PLATING TYPE
5 = RIGHT 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			molex		
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 612222			IMPACT 5 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL GUIDE RIGHT SALES DWG		
ANGULAR TOL $\pm 0.5^\circ$				DRWN: BREVANSIDDAB 2018/11/16					
4 PLACES \pm				CHK'D: TMARRI 2019/02/19					
3 PLACES \pm				APPR: BOKOK 2019/02/20			PRODUCT CUSTOMER DRAWING		
2 PLACES ± 0.13				INITIAL REVISION:			DOCUMENT NUMBER		
1 PLACE ± 0.25				DRWN: JLAURX 2010/09/28			SD-170480-0004		
0 PLACES \pm				APPR: JLAURX 2010/10/19			DOC TYPE DOC PART REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						C-SIZE		170480	
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
SEE TABLE		GENERAL MARKET		2 OF 2					

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/20	10:38:12
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