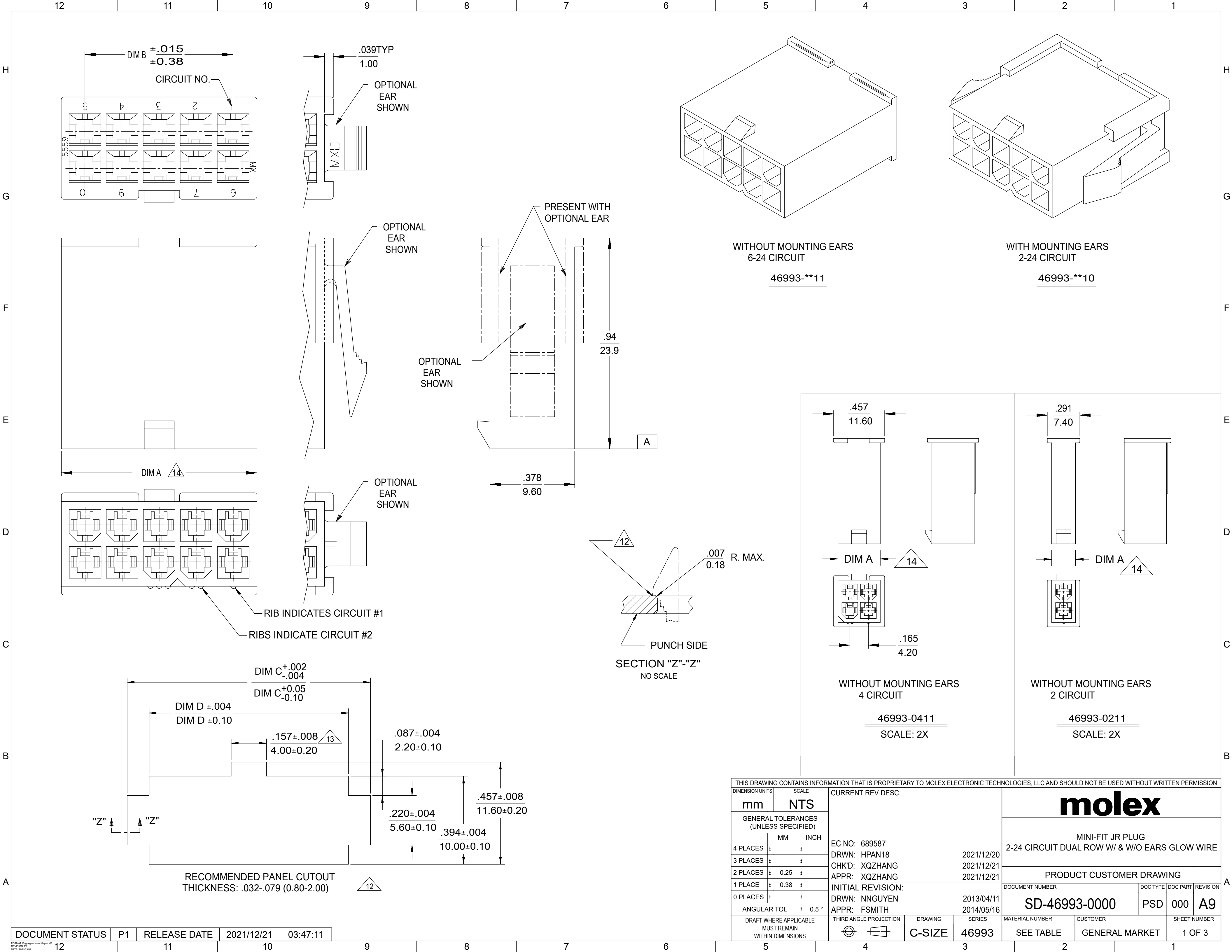




DOCUMENT STATUS	P1	RELEASE DATE	2021/12/21	03:47:11
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FORMAT: Engineering Standard 30-0000 C
REVISION: E1
DATE: 2021/05/01

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:			molex				
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)							MINI-FIT JR PLUG 2-24 CIRCUIT DUAL ROW W/ & W/O EARS GLOW WIRE				
		MM	INCH								
4 PLACES	±		±	EC NO: 689587 DRWN: HPAN182021/12/20 CHK'D: XQZHANG2021/12/21 APPR: XQZHANG2021/12/21			PRODUCT CUSTOMER DRAWING				
3 PLACES	±		±								
2 PLACES	±	0.25	±								
1 PLACE	±	0.38	±	INITIAL REVISION: DRWN: NNGUYEN2013/04/11 APPR: FSMITH2014/05/16			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES	±		±				SD-46993-0000		PSD	000	A9
ANGULAR TOL		±	0.5 °								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		
				C-SIZE	46993	SEE TABLE	GENERAL MARKET		1 OF 3		

molex

MINI-FIT JR PLUG
2-24 CIRCUIT DUAL ROW W/ & W/O EARS GLOW WIRE

PRODUCT CUSTOMER DRAWING

12		11		10		9		8		7		6		5		4		3		2		1																																																																																																																															
PART NUMBER		CKT SIZE	MOUNTING OPTION		DIM "A"		DIM "B"		DIM "C"		DIM "D"		PACKAGING SPECIFICATION		COLOR		LEGEND 46993-***0 SERIES NUMBER CKT SIZE MATERIAL (SEE NOTE 14) 0 = 225NS 1 = 225S 2 = 250RS 3 = 250GS 4 = 250BS 5 = 250WS MOUNTING OPTION (SEE NOTE #7)																																																																																																																																				
	46993-0211	02	WITHOUT EARS		.21 / 5.4		--		NOT APPLICABLE		NOT APPLICABLE		PK-5559-002		BLACK																																																																																																																																						
	46993-0411	04	WITHOUT EARS		.38 / 9.6		.165 / 4.20		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-0611	06	WITHOUT EARS		.54 / 13.8		.331 / 8.40		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-0811	08	WITHOUT EARS		.71 / 18.0		.496 / 12.60		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1011	10	WITHOUT EARS		.87 / 22.2		.661 / 16.80		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1211	12	WITHOUT EARS		1.04 / 26.4		.827 / 21.00		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1411	14	WITHOUT EARS		1.21 / 30.6		.992 / 25.20		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1611	16	WITHOUT EARS		1.37 / 34.8		1.158 / 29.40		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1811	18	WITHOUT EARS		1.54 / 39.0		1.323 / 33.60		NOT APPLICABLE		NOT APPLICABLE		PK-5559-002		BLACK																																																																																																																																						
	46993-0210	02	WITH EARS		.21 / 5.4		--		.425 / 10.80		.228 / 5.80		PK-5559-001		BLACK																																																																																																																																						
	46993-0410	04	WITH EARS		.38 / 9.6		.165 / 4.20		.591 / 15.00		.394 / 10.00																																																																																																																																										
	46993-0610	06	WITH EARS		.54 / 13.8		.331 / 8.40		.756 / 19.20		.559 / 14.20																																																																																																																																										
	46993-0810	08	WITH EARS		.71 / 18.0		.496 / 12.60		.921 / 23.40		.724 / 18.40																																																																																																																																										
	46993-1010	10	WITH EARS		.87 / 22.2		.661 / 16.80		1.087 / 27.60		.890 / 22.60																																																																																																																																										
	46993-1210	12	WITH EARS		1.04 / 26.4		.827 / 21.00		1.252 / 31.80		1.055 / 26.80																																																																																																																																										
	46993-1410	14	WITH EARS		1.21 / 30.6		.992 / 25.20		1.417 / 36.00		1.224 / 31.10																																																																																																																																										
	46993-1610	16	WITH EARS		1.37 / 34.8		1.158 / 29.40		1.583 / 40.20		1.390 / 35.30																																																																																																																																										
	46993-1810	18	WITH EARS		1.54 / 39.0		1.323 / 33.60		1.748 / 44.40		1.555 / 39.50		PK-5559-001		BLACK																																																																																																																																						
	46993-0201	02	WITHOUT EARS		.21 / 5.4		--		NOT APPLICABLE		NOT APPLICABLE		PK-5559-002		BEIGE																																																																																																																																						
	46993-0401	04	WITHOUT EARS		.38 / 9.6		.165 / 4.20		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-0601	06	WITHOUT EARS		.54 / 13.8		.331 / 8.40		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-0801	08	WITHOUT EARS		.71 / 18.0		.496 / 12.60		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1001	10	WITHOUT EARS		.87 / 22.2		.661 / 16.80		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1201	12	WITHOUT EARS		1.04 / 26.4		.827 / 21.00		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1401	14	WITHOUT EARS		1.21 / 30.6		.992 / 25.20		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1601	16	WITHOUT EARS		1.37 / 34.8		1.158 / 29.40		NOT APPLICABLE		NOT APPLICABLE																																																																																																																																										
	46993-1801	18	WITHOUT EARS		1.54 / 39.0		1.323 / 33.60		NOT APPLICABLE		NOT APPLICABLE		PK-5559-002		BEIGE																																																																																																																																						
	46993-0200	02	WITH EARS		.21 / 5.4		--		.425 / 10.80		.228 / 5.80		PK-5559-001		BEIGE																																																																																																																																						
	46993-0400	04	WITH EARS		.38 / 9.6		.165 / 4.20		.591 / 15.00		.394 / 10.00																																																																																																																																										
	46993-0600	06	WITH EARS		.54 / 13.8		.331 / 8.40		.756 / 19.20		.559 / 14.20																																																																																																																																										
	46993-0800	08	WITH EARS		.71 / 18.0		.496 / 12.60		.921 / 23.40		.724 / 18.40																																																																																																																																										
	46993-1000	10	WITH EARS		.87 / 22.2		.661 / 16.80		1.087 / 27.60		.890 / 22.60																																																																																																																																										
	46993-1200	12	WITH EARS		1.04 / 26.4		.827 / 21.00		1.252 / 31.80		1.055 / 26.80																																																																																																																																										
	46993-1400	14	WITH EARS		1.21 / 30.6		.992 / 25.20		1.417 / 36.00		1.224 / 31.10																																																																																																																																										
	46993-1600	16	WITH EARS		1.37 / 34.8		1.158 / 29.40		1.583 / 40.20		1.390 / 35.30																																																																																																																																										
	46993-1800	18	WITH EARS		1.54 / 39.0		1.323 / 33.60		1.748 / 44.40		1.555 / 39.50		PK-5559-001		BEIGE																																																																																																																																						
REFERENCE FOR CIRCUIT NUMBER ORIENTATION (OPTIONAL EARS NOT SHOWN)																																																																																																																																																					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION <table><tr><td colspan="2">DIMENSION UNITS</td><td colspan="2">SCALE</td><td colspan="4" rowspan="2">CURRENT REV DESC:</td><td colspan="4" rowspan="3"> molex </td></tr><tr><td colspan="2">mm</td><td colspan="2">NTS</td></tr><tr><td colspan="4">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="4">EC NO: 689587 DRWN: HPAN18 CHK'D: XQZHANG APPR: XQZHANG</td></tr><tr><td colspan="2"></td><td colspan="2">MM</td><td colspan="2">INCH</td><td colspan="2">2021/12/20</td><td colspan="4" rowspan="2">PRODUCT CUSTOMER DRAWING</td></tr><tr><td colspan="2">4 PLACES</td><td colspan="2">±</td><td colspan="2">±</td><td colspan="2">2021/12/21</td></tr><tr><td colspan="2">3 PLACES</td><td colspan="2">±</td><td colspan="2">±</td><td colspan="2">2021/12/21</td><td colspan="4" rowspan="2">DOCUMENT NUMBER</td></tr><tr><td colspan="2">2 PLACES</td><td colspan="2">± 0.25</td><td colspan="2">±</td><td colspan="2">2021/12/21</td><td colspan="4" rowspan="2">SD-46993-0000</td></tr><tr><td colspan="2">1 PLACE</td><td colspan="2">± 0.38</td><td colspan="2">±</td><td colspan="2">2013/04/11</td><td colspan="2">DOC TYPE</td><td colspan="2">DOC PART</td><td colspan="2">REVISION</td></tr><tr><td colspan="2">0 PLACES</td><td colspan="2">±</td><td colspan="2">±</td><td colspan="2">2014/05/16</td><td colspan="2">PSD</td><td colspan="2">000</td><td colspan="2">A9</td></tr><tr><td colspan="4">ANGULAR TOL ± 0.5 °</td><td colspan="4">THIRD ANGLE PROJECTION</td><td colspan="2">DRAWING</td><td colspan="2">SERIES</td><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td colspan="2">SHEET NUMBER</td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="4"></td><td colspan="2">C-SIZE</td><td colspan="2">46993</td><td colspan="2">SEE TABLE</td><td colspan="2">GENERAL MARKET</td><td colspan="2">2 OF 3</td></tr></table>																		DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				mm		NTS		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 689587 DRWN: HPAN18 CHK'D: XQZHANG APPR: XQZHANG						MM		INCH		2021/12/20		PRODUCT CUSTOMER DRAWING				4 PLACES		±		±		2021/12/21		3 PLACES		±		±		2021/12/21		DOCUMENT NUMBER				2 PLACES		± 0.25		±		2021/12/21		SD-46993-0000				1 PLACE		± 0.38		±		2013/04/11		DOC TYPE		DOC PART		REVISION		0 PLACES		±		±		2014/05/16		PSD		000		A9		ANGULAR TOL ± 0.5 °				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								C-SIZE		46993		SEE TABLE		GENERAL MARKET		2 OF 3	
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex																																																																																																																																													
mm		NTS																																																																																																																																																			
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 689587 DRWN: HPAN18 CHK'D: XQZHANG APPR: XQZHANG																																																																																																																																																	
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ANGULAR TOL ± 0.5 °				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER																																																																																																																																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								C-SIZE		46993		SEE TABLE		GENERAL MARKET		2 OF 3																																																																																																																																					
DOCUMENT STATUS		P1	RELEASE DATE		2021/12/21 03:47:11																																																																																																																																																

	12		11		10		9		8		7		6		5		4		3		2		1
	PART NUMBER	CKT SIZE	MOUNTING OPTION		DIM "A"		DIM "B"		DIM " C"		DIM"D"		PACKAGING SPECIFICATION		MATERIAL CODE & COLOR SEE NOTE 14								
	46993-0220	02	WITH EARS		.21 / 5.4		--		.425 / 10.80		.228 / 5.80		PK-5559-001	250RS RED (V0) 967550365									
	46993-0420	04	WITH EARS		.38 / 9.6		.165 / 4.20		.591 / 15.00		.394 / 10.00												
	46993-0620	06	WITH EARS		.54 / 13.8		.331 / 8.40		.756 / 19.20		.559 / 14.20												
	46993-0820	08	WITH EARS		.71 / 18.0		.496 / 12.60		.921 / 23.40		.724 / 18.40												
	46993-1020	10	WITH EARS		.87 / 22.2		.661 / 16.80		1.087 / 27.60		.890 / 22.60												
	46993-1220	12	WITH EARS		1.04 / 26.4		.827 / 21.00		1.252 / 31.80		1.055 / 26.80												
	46993-0230	02	WITH EARS		.21 / 5.4		--		.425 / 10.80		.228 / 5.80		PK-5559-001	250GS GREEN (V0) 967550364									
	46993-0430	04	WITH EARS		.38 / 9.6		.165 / 4.20		.591 / 15.00		.394 / 10.00												
	46993-0630	06	WITH EARS		.54 / 13.8		.331 / 8.40		.756 / 19.20		.559 / 14.20												
	46993-0830	08	WITH EARS		.71 / 18.0		.496 / 12.60		.921 / 23.40		.724 / 18.40												
	46993-1030	10	WITH EARS		.87 / 22.2		.661 / 16.80		1.087 / 27.60		.890 / 22.60												
	46993-1230	12	WITH EARS		1.04 / 26.4		.827 / 21.00		1.252 / 31.80		1.055 / 26.80												
	46993-0240	02	WITH EARS		.21 / 5.4		--		.425 / 10.80		.228 / 5.80		PK-5559-001	250BS BLUE (V0) 967550363									
	46993-0440	04	WITH EARS		.38 / 9.6		.165 / 4.20		.591 / 15.00		.394 / 10.00												
	46993-0640	06	WITH EARS		.54 / 13.8		.331 / 8.40		.756 / 19.20		.559 / 14.20												
	46993-0840	08	WITH EARS		.71 / 18.0		.496 / 12.60		.921 / 23.40		.724 / 18.40												
	46993-1040	10	WITH EARS		.87 / 22.2		.661 / 16.80		1.087 / 27.60		.890 / 22.60												
	46993-1240	12	WITH EARS		1.04 / 26.4		.827 / 21.00		1.252 / 31.80		1.055 / 26.80												
	46993-0250	02	WITH EARS		.21 / 5.4		--		.425 / 10.80		.228 / 5.80		PK-5559-001	250WS NATURAL (V0)									
	46993-0450	04	WITH EARS		.38 / 9.6		.165 / 4.20		.591 / 15.00		.394 / 10.00												
	46993-0650	06	WITH EARS		.54 / 13.8		.331 / 8.40		.756 / 19.20		.559 / 14.20												
	46993-0850	08	WITH EARS		.71 / 18.0		.496 / 12.60		.921 / 23.40		.724 / 18.40												
	46993-1050	10	WITH EARS		.87 / 22.2		.661 / 16.80		1.087 / 27.60		.890 / 22.60												
	46993-1250	12	WITH EARS		1.04 / 26.4		.827 / 21.00		1.252 / 31.80		1.055 / 26.80												
NOTES: 1) MATERIAL: 225NS = NYLON 6, UL94V-2, GLOW WIRE,COLOR: NATURAL 225S = NYLON 6, UL94V-2, GLOW WIRE, COLOR: BLACK 250RS = NYLON 6/6, UL94V-0, GLOW WIRE, COLOR: RED 250GS = NYLON 6/6, UL94V-0, GLOW WIRE, COLOR: GREEN 250BS = NYLON 6/6, UL94V-0, GLOW WIRE, COLOR: BLUE 250WS = NYLON 6/6, UL94V-0, GLOW WIRE, COLOR: NATURAL 2) FINISH: NOT APPLICABLE 3) PRODUCT SPECIFICATION: PS-5556-001 4) PACKAGING: SEE CHART 5) PART MATES WITH MOLEX RECEPTACLE #46992. 6) PART TO BE USED WITH MOLEX MALE TERMINAL #5558. 7) MOUNTING OPTIONS: "0" = WITH EARS, DUAL ROW "1" = WITHOUT EARS, DUAL ROW 8) PART IS NOT DESIGNED FOR CURRENT SHARING. 9) CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE. 10) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET. 11) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET CLASS "C" REQUIREMENTS. 12) PANEL HOLE TO PUNCHED OUT IN THE SAME DIRECTION AS INSERTION INTO THE PANEL. 13) ON 2 CIRCUIT PARTS THIS DIMENSION IS ALLOWABLE UP TO DIMENSION "D". 14) TO BE MEASURED AT SURFACE A 15) APPLICATION SPECIFICATION :469920000-AS																							
DOCUMENT STATUS	P1	RELEASE DATE	2021/12/21	03:47:11																			
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DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex MINI-FIT JR PLUG 2-24 CIRCUIT DUAL ROW W/ & W/O EARS GLOW WIRE PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-46993-0000 DOC TYPE PSD DOC PART 000 REVISION A9 MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 3 OF 3																
mm		NTS																					
GENERAL TOLERANCES (UNLESS SPECIFIED)																							
		MM	INCH																				
4 PLACES	±		±																				
3 PLACES	±		±																				
2 PLACES	±	0.25	±																				
1 PLACE	±	0.38	±																				
0 PLACES	±		±																				
ANGULAR TOL		±	0.5 °																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER											
				C-SIZE		46993																	
FORMATS: English-metric-to-ansi-C REVISION: E1 DATE: 2021/09/01																							

LEGEND

46993-***0

SERIES NUMBER

CKT SIZE

MATERIAL
(SEE NOTE 14)
0 = 225NS
1 = 225S
2 = 250RS
3 = 250GS
4 = 250BS
5 = 250WS
MOUNTING OPTION
(SEE NOTE #7)