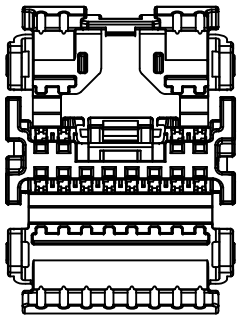
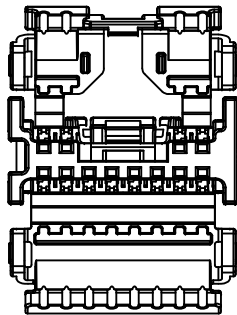


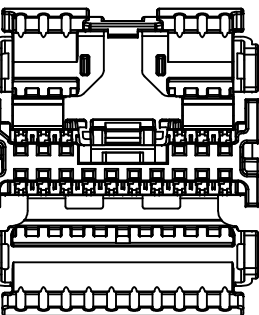
12 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION A
USCAR COMPATIBLE



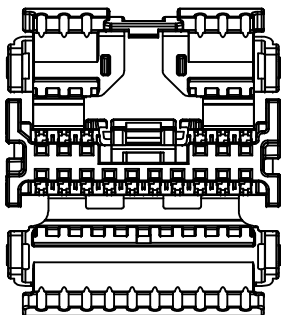
12 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION B
USCAR COMPATIBLE



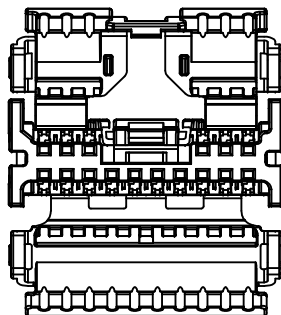
12 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION C
USCAR COMPATIBLE



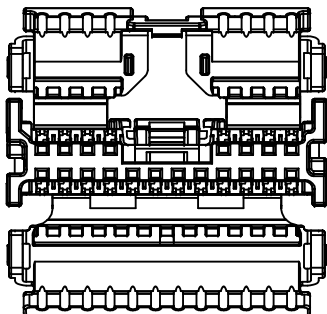
16 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION A



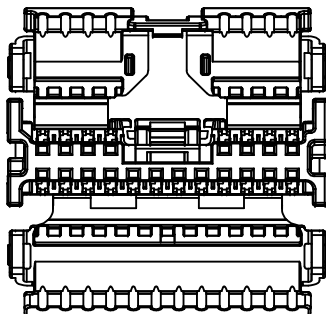
16 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION B



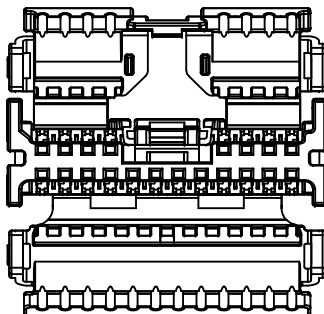
16 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION C



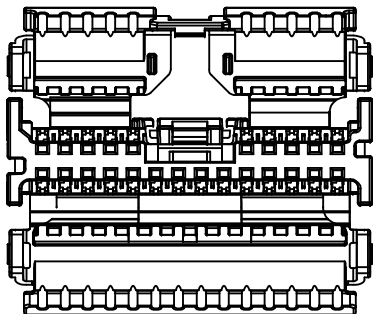
20 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION A



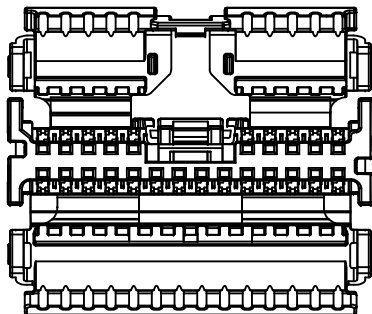
20 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION B



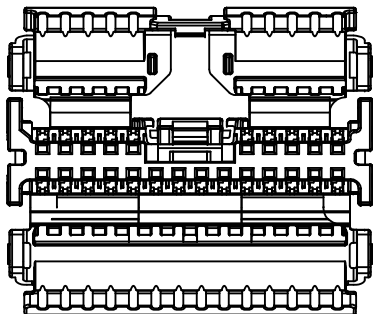
20 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION C



24 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION A



24 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION B



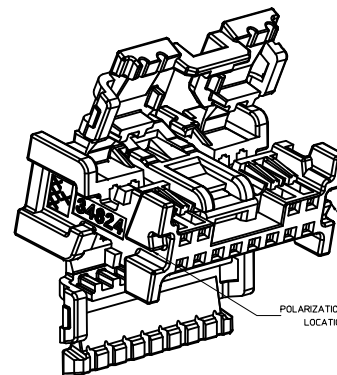
24 CIRCUIT RECEPTACLE WITHOUT LOCK BRIDGE
POLARIZATION OPTION C

NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - APPLICATION SPECIFICATION SEE: AS-34791-020
 - PRODUCT SPECIFICATION SEE: PS-34971-020
 - PACKAGING SPECIFICATION PER MOLEX DRAWING; SEE CHART
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: PS-40000-505
 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO MDS (COMPANY ID#13255)
 - FLAMMABILITY REQUIREMENT; PER (ISO3795 OR GM3191)
 - BURN RATE 100 mm/MIN MAXIMUM
 - MATERIAL MUST BE SELF EXTINGUISHING
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- DESIGN - MATERIALS:
 - MATERIAL: UNFILLED PBT
- DESIGN - GEOMETRY:
 - THIS IS A 100% CAD GENERATED PART, THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART, FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - GENERAL TOLERANCES:
 - LINEAR: PER DIN 16901 CODE B FOR PRECISION ENGINEERING (SEE TABLE)
 - ANGULAR: $\pm 3^\circ$
 - EDGES AND UNDIMENSIONED DETAILS PER ISO1975
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX
 - LETTERING SHALL BE 0.1 MAX RAISED IN 0.15 MAX RECESS PAD AND NOT PROTRUDE THE SURFACE, THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, CIRCUIT ID, AND PART SERIES NUMBER
 - DIMENSION APPLIES ONLY TO RECEPTACLES WITH LOCK BRIDGE OPTION

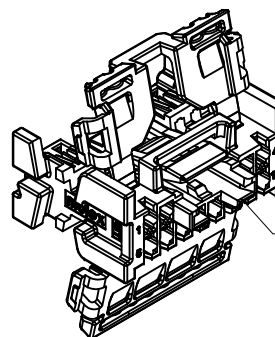
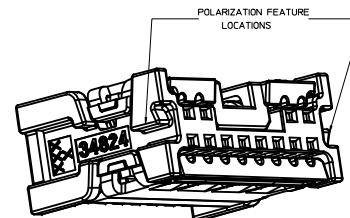
HINGES OPEN

12 CIRCUIT RECEPTACLE SHOWN
(AS SHIPPED)



HINGES CLOSED

12 CIRCUIT RECEPTACLE SHOWN
(AS ASSEMBLED)




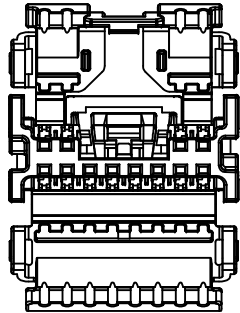
MINISO WITH BRIDGE OPTION
COMES WITH CPA TRAY
REFER TO SD-34824-003 FOR
CPA-RECEPTACLE ASSEMBLIES

LAST BALLOON ON DRAWING:

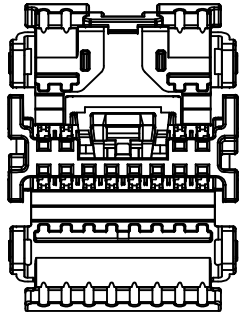


DELETED BALLOONS:

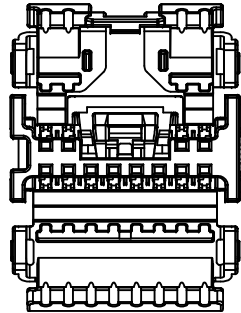
MODEL CORRECTED EC NO: UAU2015-0686 DRAWN: TCHUGA 2011/10/27 CHECKED: TCHUGA 2011/10/27 APPROVED: SHARCEAU 2011/10/27 REV	QUALITY SYMBOLS ▽=0 ▽=1 ▽=2 ▽=3	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	MINISO DUAL ROW RECEPTACLE SALES DRAWING MOLEX INCORPORATED	DOCUMENT NO. SD-34824-002	SHEET NO. 1 OF 4	
				MM ONLY		6:1	METRIC					
				DRAWN BY	DATE	TITLE						
		4 PLACES ±--- ±---		TCHUGA	2011/03/10							
		3 PLACES ±--- ±---		CHECKED BY	DATE							
		2 PLACES ±--- ±---		TCHUGA	2011/03/11							
		1 PLACE ±0.20 ±---		APPROVED BY	DATE							
		ANGULAR ±---°		SHARCEAU	2012/05/21							
				MATERIAL NO.								
				SEE TABLE								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												



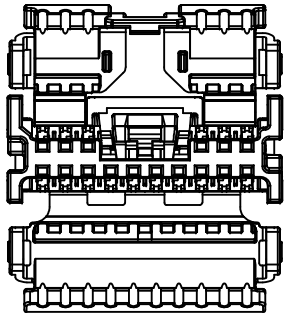
12 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION A
USCAR COMPATIBLE



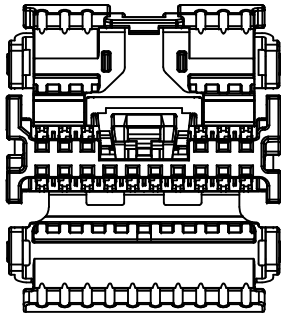
12 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION B
USCAR COMPATIBLE



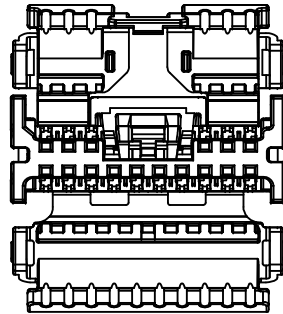
12 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION C
USCAR COMPATIBLE



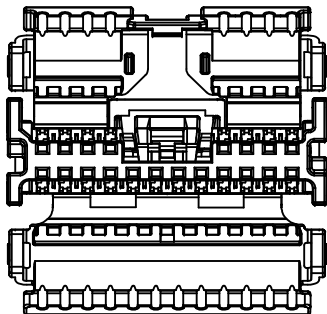
16 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION A



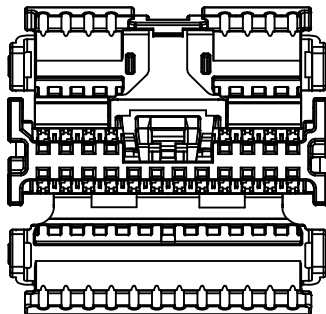
16 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION B



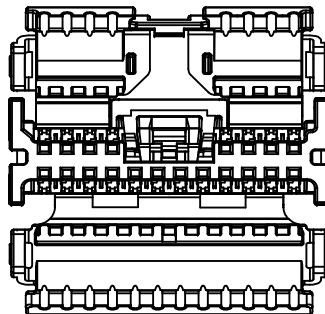
16 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION C



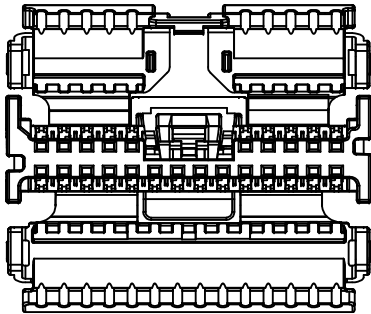
20 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION A



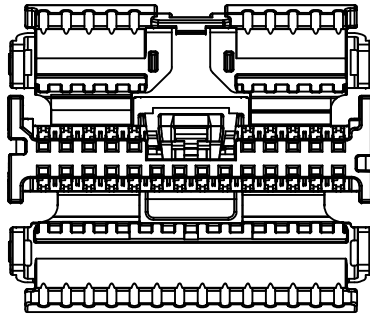
20 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION B



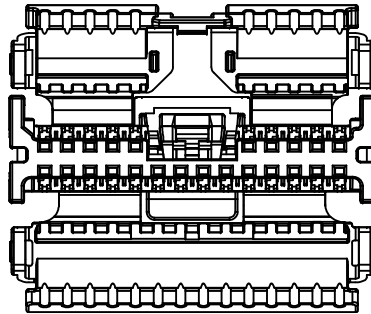
20 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION C





24 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION A

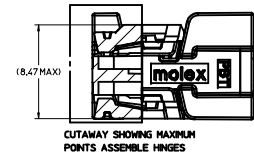
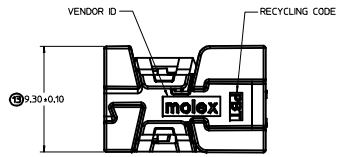
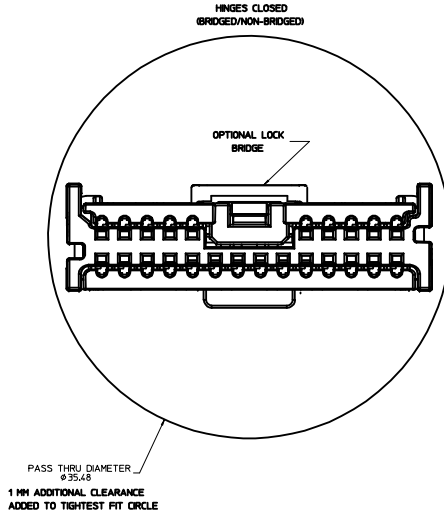
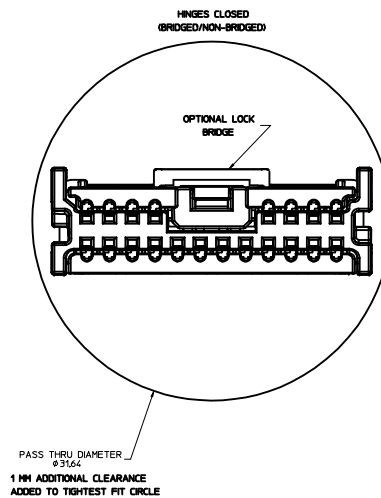
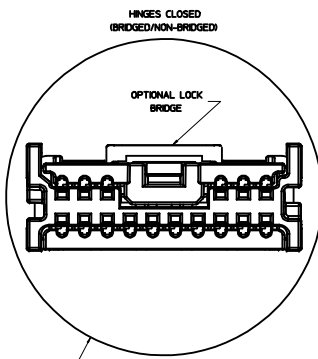
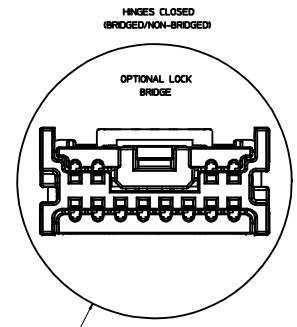
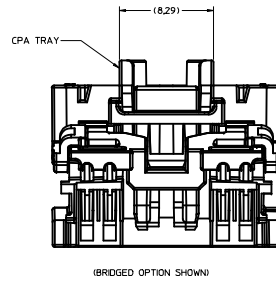
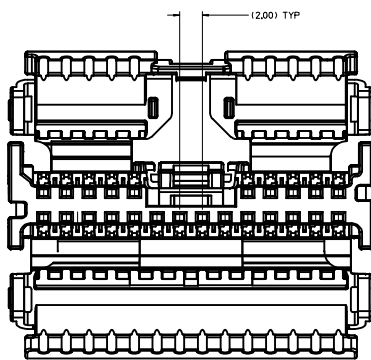
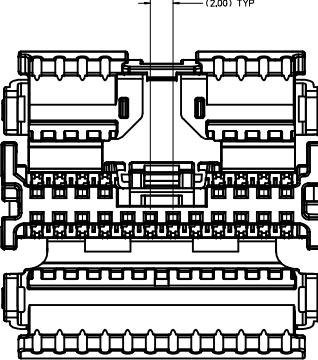
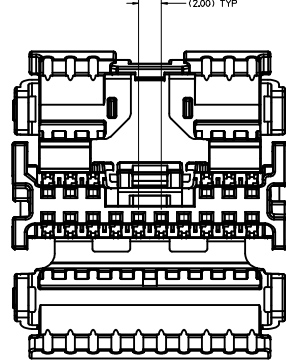
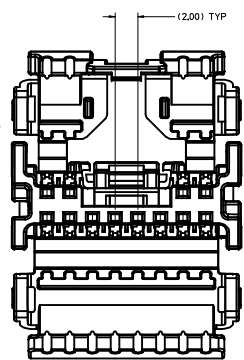
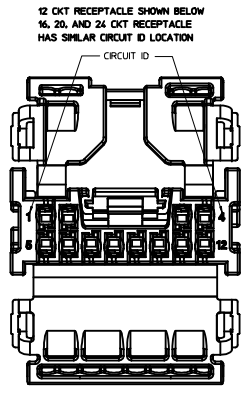
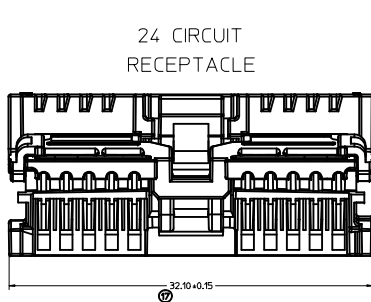
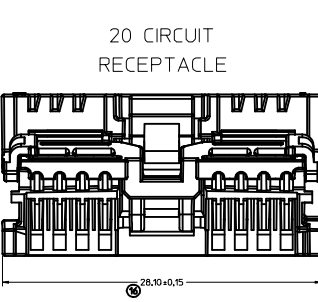
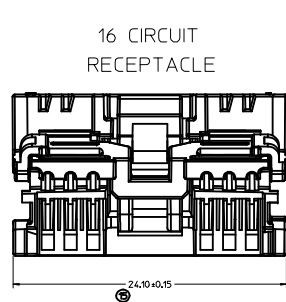
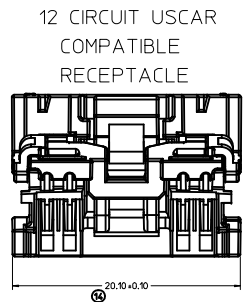
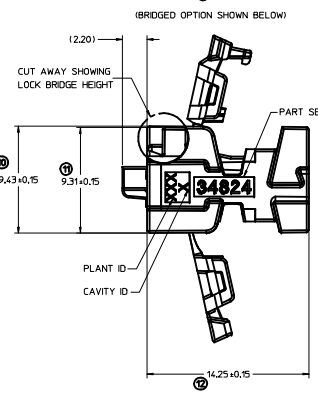
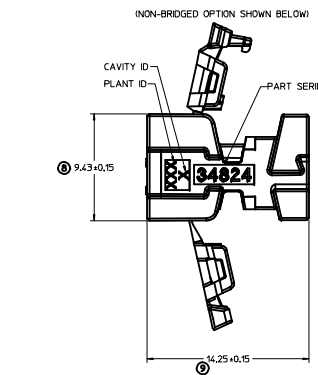


24 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION B



24 CIRCUIT RECEPTACLE WITH LOCK BRIDGE
POLARIZATION OPTION C

MODEL CORRECTED EC NO. UAU2015-0686 DRAWN: TMACHUGA 2011/10/27 CHECKED BY: DATE APPROVED BY: 2011/10/28 REV. DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 6:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES ± --- ± ---		TCUCU	2011/03/10	MINISO DUAL ROW			
		3 PLACES ± --- ± ---		CHECKED BY	DATE	RECEPTACLE			
		4 PLACES ± 0.10 ± ---		TMACHUGA	2011/03/11	SALES DRAWING			
		1 PLACE ± 0.20 ± ---		APPROVED BY	DATE				
		0 PLACE ± ±		SMARCEAU	2012/05/23				
		ANGULAR ± --- °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE		SEE TABLE		DOCUMENT NO.			SHEET NO.
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-34824-002			2 OF 4



MODEL CORRECTED EC NO. UAU2015-0686 DRAWN/CHKD 2011/10/27 DATE APPROVED/CHKD 2011/10/28 DATE	QUALITY SYMBOLS ▽=0 ▽=1 ▽=2	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 6:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE		TITLE		MINI50 DUAL ROW RECEPTACLE SALES DRAWING molex			
		4 PLACES ± 0.10 ± 0.004		TCUCU 2011/03/10							
		3 PLACES ± 0.10 ± 0.004		CHECKED BY DATE							
		2 PLACES ± 0.10 ± 0.004		TMACHUGA 2011/03/11				SD-34824-002			
		1 PLACE ± 0.20 ± 0.008		APPROVED BY DATE							
		0 PLACE ± ±		SHARCEAU 2012/05/23							
		ANGULAR ± 0.5		MATERIAL NO.		DOCUMENT NO.		3 OF 4			
				SEE TABLE							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

MATERIAL NUMBER BULK PACKAGING PK-31301-538	LOCK BRIDGE OPTION	CONFIGURATION	CIRCUIT	POL	COLOR	MATING COMPONENT					
						SURFACE MOUNT TECHNOLOGY (SMT) HEADER		VERTICAL THRU HOLE HEADER		RIGHT ANGLE THRU HOLE HEADER	
						TAPE AND REEL PACKAGING PK-31301-786	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688	TRAY PACKAGING PK-31301-440	TUBE PACKAGING PK-31301-688
34824-0124	NO	USCAR COMPATIBLE	12	A	BLACK	34897-8120	34897-9120	34825-0124	34825-9124	34826-0124	34826-9124
34824-0125	NO	USCAR COMPATIBLE	12	B	GRAY	34897-8121	34897-9121	34825-0125	34825-9125	34826-0125	34826-9125
34824-0126	NO	USCAR COMPATIBLE	12	C	DARK GRAY	34897-8122	34897-9122	34825-0126	34825-9126	34826-0126	34826-9126
34824-1124	YES	USCAR COMPATIBLE	12	A	BLACK	34897-8120	34897-9120	34825-0124	34825-9124	34826-0124	34826-9124
34824-1125	YES	USCAR COMPATIBLE	12	B	GRAY	34897-8121	34897-9121	34825-0125	34825-9125	34826-0125	34826-9125
34824-1126	YES	USCAR COMPATIBLE	12	C	DARK GRAY	34897-8122	34897-9122	34825-0126	34825-9126	34826-0126	34826-9126
34824-0160	NO	MOLEX	16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34826-0160	34826-9160
34824-0161	NO	MOLEX	16	B	GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34826-0161	34826-9161
34824-0162	NO	MOLEX	16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34826-0162	34826-9162
34824-1160	YES	MOLEX	16	A	BLACK	34897-8160	34897-9160	34825-0160	34825-9160	34826-0160	34826-9160
34824-1161	YES	MOLEX	16	B	GRAY	34897-8161	34897-9161	34825-0161	34825-9161	34826-0161	34826-9161
34824-1162	YES	MOLEX	16	C	DARK GRAY	34897-8162	34897-9162	34825-0162	34825-9162	34826-0162	34826-9162
34824-0200	NO	MOLEX	20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34826-0200	34826-9200
34824-0201	NO	MOLEX	20	B	GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34826-0201	34826-9201
34824-0202	NO	MOLEX	20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34826-0202	34826-9202
34824-1200	YES	MOLEX	20	A	BLACK	34897-8200	34897-9200	34825-0200	34825-9200	34826-0200	34826-9200
34824-1201	YES	MOLEX	20	B	GRAY	34897-8201	34897-9201	34825-0201	34825-9201	34826-0201	34826-9201
34824-1202	YES	MOLEX	20	C	DARK GRAY	34897-8202	34897-9202	34825-0202	34825-9202	34826-0202	34826-9202
34824-0240	NO	MOLEX	24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34826-0240	34826-9240
34824-0241	NO	MOLEX	24	B	GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34826-0241	34826-9241
34824-0242	NO	MOLEX	24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34826-0242	34826-9242
34824-1240	YES	MOLEX	24	A	BLACK	34897-8240	34897-9240	34825-0240	34825-9240	34826-0240	34826-9240
34824-1241	YES	MOLEX	24	B	GRAY	34897-8241	34897-9241	34825-0241	34825-9241	34826-0241	34826-9241
34824-1242	YES	MOLEX	24	C	DARK GRAY	34897-8242	34897-9242	34825-0242	34825-9242	34826-0242	34826-9242

PART NUMBER		MATERIAL	WIRE GAGE (mm ²)	GRIP
D-WIND (LEFT PAYOFF)	B-WIND (RIGHT PAYOFF)			
560023-0421	560023-0423	COPPER ALLOY	0.22 - 0.35	MEDIUM
560023-0422	560023-0424	COPPER ALLOY	0.08 - 0.13	SMALL

tb_frame_E_P_AM_T
Rev. 6 2013/01/11