



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

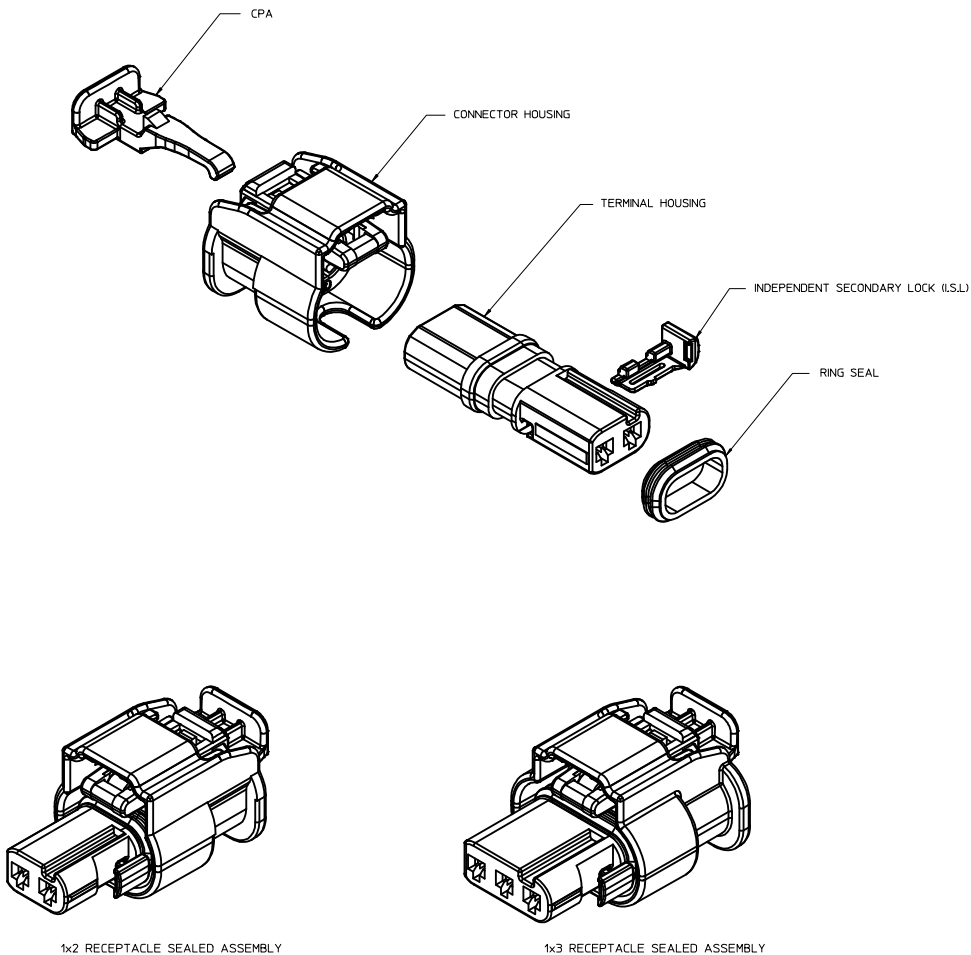
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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6	1x3 RECEPTACLE SEALED ASSEMBLY BOM SHEET 1



**NOTES: VALID UNLESS OTHERWISE SPECIFIED**

**1. GENERAL:**  
**a. APPLICATION SPECIFICATION SEE: AS-34900-0001**  
 CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.  
**b. PRODUCT SPECIFICATION SEE: PS-34900-0001**  
 CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.  
**c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31301-898**  
**d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016**  
**e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)**  
**f. DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN BOM CHART. USCAR DRAWINGS AND MODELS ARE AVAILABLE AT <http://ewcapuscarteams.org/>.**

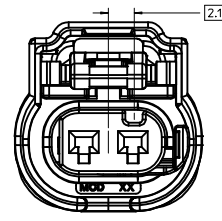
**2. DESIGN - MATERIALS:**  
**a. SEE BOM TABLE**

**3. DESIGN - GEOMETRY:**  
**a. 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.**  
**b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994**  
**c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715**  
**d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.**  
**e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.**  
**f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B) AND LASER MARKING:**  
 1. PART NUMBER  
 2. DAY OF THE YEAR  
 3. SHIFT  
 4. YEAR

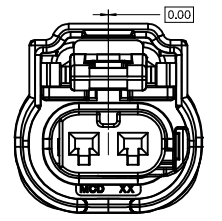
REV	DESCRIPTION
B	PRIMARY KEYS (A,B) MOVED TO SALEABLE
A10	ADDED 1X3 SEVERE VIBRATION PART NUMBER
A9	1X2 AND 1X3 PART # STATUS UPDATED DIMENSION 2 UPDATED
A8	1X2 PART # UPDATED TO *TOOLED BUT NOT VALIDATED*
A7	1X2 PART # UPDATED TO *TOOLED BUT NOT VALIDATED*
A6	ADDED NEW PART NUMBERS FOR LATCH IMPROVEMENT
A5	BOM CORRECTIONS AND UPDATES
A4	BOM CORRECTIONS AND UPDATES
A3	1x2, 1x3 NON-SIR OK TO TOOL
A2	MINOR BOM CORRECTIONS
A1	ADDED COMPONENTS TO BOM
A	ADDED BLACK PART NUMBERS AND MINOR BOM UPDATES
3	ADDED 1x3
2	MINOR BOM CORRECTIONS
1	INITIAL RELEASE

<b>ENTER DESCRIPTION</b> EC NO: UAU2016-1730 DRWN: PATE01 CHKD: APPR: KOSKSKI 2016/05/23 2016/05/31	<b>QUALITY SYMBOLS</b> ∇=0 ∇=0 ∇=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±0.10 ±.--- 1 PLACE ±0.20 ±.--- 0 PLACE ±0.50 ±	mm INCH	DRAWN BY MYANSLAMBROU	DATE 2012/02/15	CHECKED BY DATE	APPROVED BY GGA	DATE 2012/12/13	MATERIAL NO. 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									

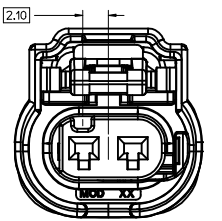
1x2 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS. FOR PART NUMBERS REFER TO BOM SHEET.



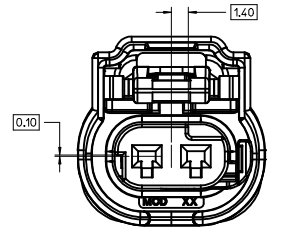
KEYING OPTION A



KEYING OPTION B



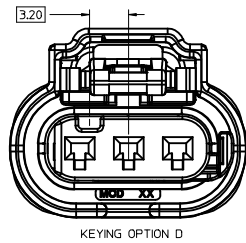
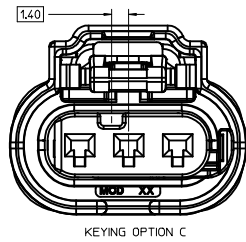
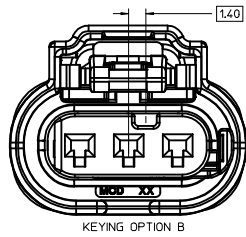
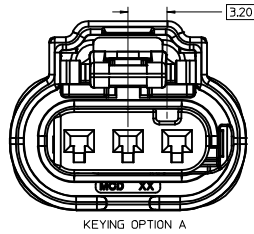
KEYING OPTION C



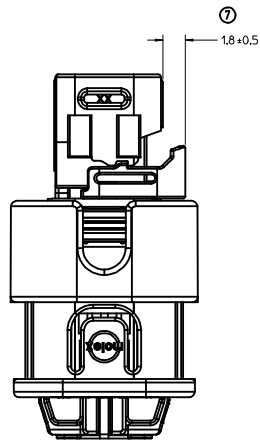
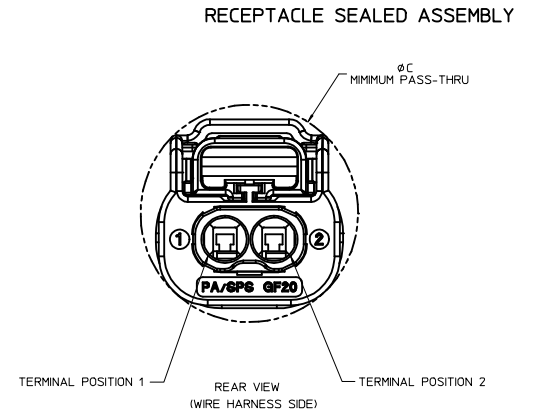
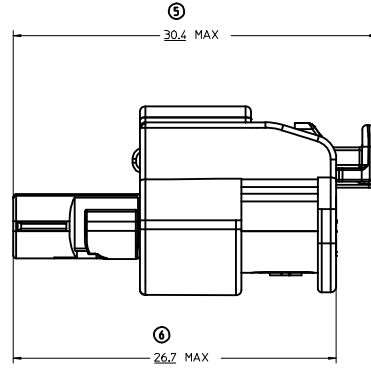
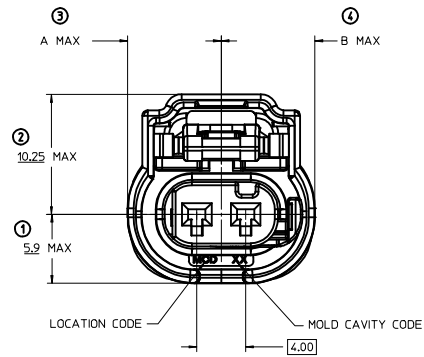
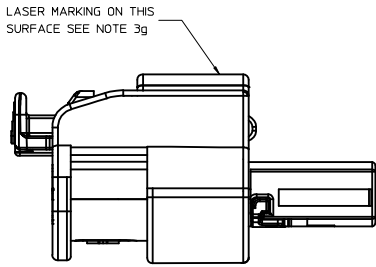
KEYING OPTION E

<b>ENTER DESCRIPTION</b> IEC NO. UAU2016-1730 DRAWN/PATE01 2016/05/23 CHKD: APPR:KIEKOSKI 2016/05/31	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>5:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.50 ±	mm INCH	DRAWN BY MYANSLAMBROU	DATE 2012/02/15	CHECKED BY	DATE	TITLE <b>12MM 1X2. 1X3 RECP.T. SEALED ASSEMBLY CABLE SEAL</b>
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY GGA	DATE 2012/12/13	MATERIAL NO. <b>SEE BOM</b>	DOCUMENT NO. <b>SD-34900-2001</b>	SHEET NO. 2 OF 6
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

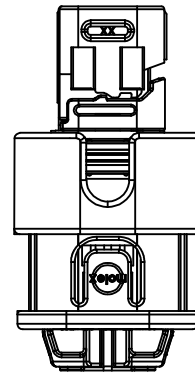
1x3 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS. FOR PART NUMBERS REFER TO BOM SHEET.



<b>ENTER DESCRIPTION</b> IEC NO. UAU2016-1730 DRAWN/PATE01 2016/05/23 CHKD: APPR:KIEKSKI 2016/05/31	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>5:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.50 ±	mm INCH	DRAWN BY MYANSLAMBROU	DATE 2012/02/15	CHECKED BY DATE	TITLE <b>12MM 1X2, 1X3 RECPT. SEALED ASSEMBLY CABLE SEAL</b>
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		APPROVED BY GGA	DATE 2012/12/13	MATERIAL NO. <b>SEE BOM</b>	
				DOCUMENT NO. <b>SD-34900-2001</b>		SHEET NO. 3 OF 6	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



INDEPENDENT SECONDARY LOCK (ISL)  
SHOWN IN THE PRE-STAGED POSITION



INDEPENDENT SECONDARY LOCK (ISL)  
SHOWN IN THE FINAL-LOCK POSITION

1x3 RECEPTACLE SEALED ASSEMBLY	10.0	10.0	20.75
1x2 RECEPTACLE SEALED ASSEMBLY	8.0	8.0	18.75
CONFIGURATION	A	B	C

CHARTED DIMENSIONS

<b>ENTER DESCRIPTION</b> EC NO: UAU2016-1730 DRAWN: PATE01 2016/05/23 CHKD: APPR: KIEGSKI 2016/05/31 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	5:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE			
	▽=0	3 PLACES ± 0.10 ± ---	MYANSLAMBROU 2012/02/15			
		2 PLACES ± 0.20 ± ---	CHECKED BY DATE			
		1 PLACE ± 0.50 ± ---	APPROVED BY DATE			
		0 PLACE ± 0.50 ± ---	GGA 2012/12/13			
		ANGULAR ± 3 °	MATERIAL NO.	SEE BOM	DOCUMENT NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE		SD-34900-2001	
						SHEET NO. 4 OF 6
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

1X2 RECEPTACLE SEALED ASSEMBLY BOM SHEET 1

KEYING OPTION E, BLACK	34900-2123	-40 TO 155	4			CHB			E	TOOLED BUT NOT VALIDATED	1	2	3
KEYING OPTION C, BLACK	34900-2122	-40 TO 155	4			CHB			C	TOOLED BUT NOT VALIDATED	1	2	3
KEYING OPTION B, BLACK	34900-2121	-40 TO 155	4			CHB	B			SALEABLE	1	2	3
KEYING OPTION A, BLACK	34900-2120	-40 TO 155	4			CHB	A			SALEABLE	1	2	3
KEYING OPTION E, YELLOW	34900-2104	-40 TO 125	2			CHY			E	TOOLED BUT NOT VALIDATED	1	2	3
KEYING OPTION C, YELLOW	34900-2103	-40 TO 125	2			CHY			C	TOOLED BUT NOT VALIDATED	1	2	3
KEYING OPTION B, YELLOW	34900-2102	-40 TO 125	2			CHY	B			SALEABLE	1	2	3
KEYING OPTION A, YELLOW	34900-2101	-40 TO 125	2			CHY	A			SALEABLE	1	2	3
KEYING OPTION E, BLACK	34900-2023	-40 TO 125	2			CHB			E	OBSOLETE	1	2	3
KEYING OPTION C, BLACK	34900-2022	-40 TO 125	2			CHB			C	OBSOLETE	1	2	3
KEYING OPTION B, BLACK	34900-2021	-40 TO 125	2			CHB	B			OBSOLETE	1	2	3
KEYING OPTION A, BLACK	34900-2020	-40 TO 125	2			CHB	A			OBSOLETE	1	2	3
KEYING OPTION E, YELLOW	34900-2004	-40 TO 125	2			CHY			E	OBSOLETE	1	2	3
KEYING OPTION C, YELLOW	34900-2003	-40 TO 125	2			CHY			C	OBSOLETE	1	2	3
KEYING OPTION B, YELLOW	34900-2002	-40 TO 125	2			CHY	B			SALEABLE	1	2	3
KEYING OPTION A, YELLOW	34900-2001	-40 TO 125	2			CHY	A			SALEABLE	1	2	3
ASSEMBLY DESCRIPTION	PART NUMBER	OPERATING TEMPERATURE	VIBRATION CLASS PER GMW3191 DEC. 2007				A	B	C	E	STATUS	COMMENTS	DESIGNED TO MATE WITH DEVICE CONNECTION

DESCRIPTION	COLOR	MATERIAL	COMMENTS
RING SEAL	BURNT RED	INHERENTLY LUBRICATED SILICONE	
ISL	NATURAL	SPS/NYLON GF20	
CPA	RED	FBT GF30	
TERMINAL HOUSING KEYING OPTION E	STONE GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION B	LT. GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING	YELLOW	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING	YELLOW	SPS/NYLON GF20	

DESCRIPTION	COLOR	MATERIAL	COMMENTS
BOM/APPLICABLE COMPONENTS TABLE			

ABBREVIATION	COMPONENT
CHY	CONNECTOR HOUSING YELLOW
CHB	CONNECTOR HOUSING BLACK
A	TERMINAL HOUSING KEY A
B	TERMINAL HOUSING KEY B
C	TERMINAL HOUSING KEY C
E	TERMINAL HOUSING KEY E
CPA	CPA
ISL	ISL
R	RING SEAL
1	USCAR INTERFACE 120-5-002-1-Z01 SEE NOTE 1F FOR WEBSITE
2	MOLEX INLINE BLADE CONNECTOR E-34899-2001
3	USCAR INTERFACE 120-5-002-1-Z02 SEE NOTE 1F FOR WEBSITE

<b>ENTER DESCRIPTION</b> IEC NO: UAU2016-1730 DRAWN: PATE01 2016/05/23 CHKD: APPR: K0EKO SKI 2016/05/31 REV DESCRIPTION	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED): 4 PLACES ± --- INCH 3 PLACES ± --- INCH 2 PLACES ± 0.10 1 PLACE ± 0.20 0 PLACE ± 0.50 ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE <b>MM ONLY</b> DRAWN BY DATE MYANSLAMBROU 2012/02/15 CHECKED BY DATE APPROVED BY DATE GGA 2012/12/13 MATERIAL NO. <b>999999999</b> DOCUMENT NO. <b>SD-34900-2001</b>	SCALE <b>2:1</b> DESIGN UNITS <b>METRIC</b> THIRD ANGLE PROJECTION	TITLE <b>12MM 1X2. 1X3 RECPT. SEALED ASSEMBLY CABLE SEAL</b> <b>molex</b> SHEET NO. <b>5 OF 6</b>
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



1X3 RECEPTACLE SEALED ASSEMBLY BOM SHEET 1

ASSEMBLY DESCRIPTION	PART NUMBER	OPERATING TEMPERATURE	VIBRATION CLASS PER GMW3191 DEC. 2007	A	B	C	D	A	B	C	D	STATUS	COMMENTS	DESIGNED TO MATE WITH DEVICE CONNECTION
KEYING OPTION D, STONE GRAY	34900-3127	-40 TO 155	4					CHB				D	OK TO TOOL	1 2 3
KEYING OPTION C, DARK GRAY	34900-3126	-40 TO 155	4					CHB				C	OK TO TOOL	1 2 3
KEYING OPTION B, LIGHT GRAY	34900-3125	-40 TO 155	4					CHB			B		OK TO TOOL	1 2 3
KEYING OPTION A, BLACK	34900-3124	-40 TO 155	4					CHB		A			SALEABLE	1 2 3
KEYING OPTION D, STONE GRAY	34900-3123	-40 TO 125	2					CHB		D			TOOLED BUT NOT VALIDATED	1 2 3
KEYING OPTION C, DARK GRAY	34900-3122	-40 TO 125	2					CHB		C			TOOLED BUT NOT VALIDATED	1 2 3
KEYING OPTION B, LIGHT GRAY	34900-3121	-40 TO 125	2					CHB	B				SALEABLE	1 2 3
KEYING OPTION A, BLACK	34900-3120	-40 TO 125	2					CHB	A				SALEABLE	1 2 3
KEYING OPTION D, YELLOW	34900-3104	-40 TO 125	2				CHY			D			TOOLED BUT NOT VALIDATED	1 2 3
KEYING OPTION C, YELLOW	34900-3103	-40 TO 125	2				CHY			C			TOOLED BUT NOT VALIDATED	1 2 3
KEYING OPTION B, YELLOW	34900-3102	-40 TO 125	2				CHY		B				SALEABLE	1 2 3
KEYING OPTION A, YELLOW	34900-3101	-40 TO 125	2				CHY		A				SALEABLE	1 2 3
KEYING OPTION D, STONE GRAY	34900-3023	-40 TO 125	2					CHB		D			OBSOLETE	1 2 3
KEYING OPTION C, DARK GRAY	34900-3022	-40 TO 125	2					CHB		C			OBSOLETE	1 2 3
KEYING OPTION B, LIGHT GRAY	34900-3021	-40 TO 125	2					CHB		B			OBSOLETE	1 2 3
KEYING OPTION A, BLACK	34900-3020	-40 TO 125	2					CHB		A			OBSOLETE	1 2 3
KEYING OPTION D, YELLOW	34900-3004	-40 TO 125	2				CHY			D			OBSOLETE	1 2 3
KEYING OPTION C, YELLOW	34900-3003	-40 TO 125	2				CHY			C			OBSOLETE	1 2 3
KEYING OPTION B, YELLOW	34900-3002	-40 TO 125	2				CHY			B			OBSOLETE	1 2 3
KEYING OPTION A, YELLOW	34900-3001	-40 TO 125	2				CHY			A			OBSOLETE	1 2 3

ABBREVIATION	COMPONENT
CHY	CONNECTOR HOUSING YELLOW
CHB	CONNECTOR HOUSING BLACK
A	TERMINAL HOUSING KEY A
B	TERMINAL HOUSING KEY B
C	TERMINAL HOUSING KEY C
D	TERMINAL HOUSING KEY D
CPA	CPA
ISL	ISL
R	RING SEAL
1	USCAR INTERFACE 120-S-003-1-Z01 SEE NOTE 1f FOR WEBSITE
2	MOLEX INLINE BLADE CONNECTOR E-34899-2001
3	USCAR INTERFACE 120-S-003-1-Z02 SEE NOTE 1f FOR WEBSITE

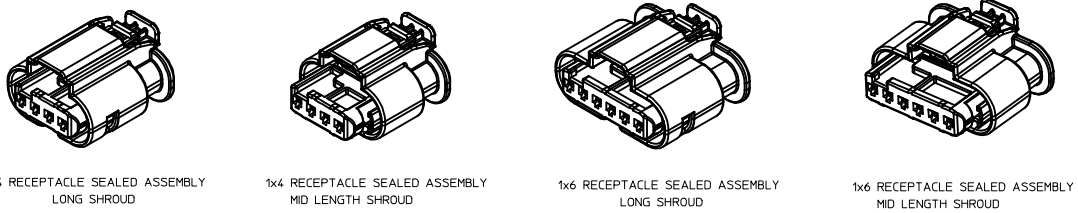
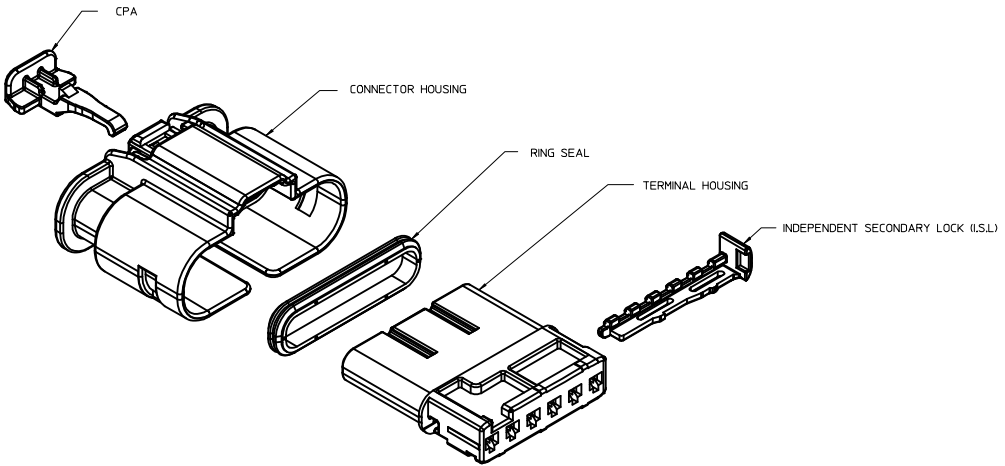
RING SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE	
ISL	NATURAL	SPS/NYLON GF20	
CPA	RED	PBT GF30	
TERMINAL HOUSING KEYING OPTION D, V4	STONE GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION C, V4	DARK GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION B, V4	LT. GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION A, V4	BLACK	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION B	LT. GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING	YELLOW	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING	YELLOW	SPS/NYLON GF20	
DESCRIPTION	COLOR	MATERIAL	COMMENTS

BOM/APPLICABLE COMPONENTS TABLE

<b>ENTER DESCRIPTION</b> IEC NO. UAU2016-1730 DRAWN/PAT01 2016/05/13 CHYD APPR:KOEKSKL 2016/05/13 REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.50 ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE MYANSLAMBROU 2012/02/15 CHECKED BY DATE APPROVED BY DATE GGA 2012/12/13	SCALE 5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 12MM 1X2, 1X3 RECP. SEALED ASSEMBLY CABLE SEAL <b>molex</b>	MATERIAL NO. 999999999 DOCUMENT NO. SD-34900-2001	SHEET NO. 6 OF 6
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SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	1x4 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS
3	1x6 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS
4	RECEPTACLE SEALED ASSEMBLY
5	1x4 RECEPTACLE SEALED ASSEMBLY BOM SHEET
6	1x6 RECEPTACLE SEALED ASSEMBLY BOM SHEET



**NOTES: VALID UNLESS OTHERWISE SPECIFIED**

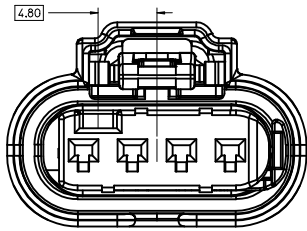
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  - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31301-898
  - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION ES-40000-5016
  - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13235)
  - f. DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN BOM CHART USCAR INTERFACE DRAWINGS AND MODELS ARE AVAILABLE AT <http://ewcap.uscarteams.org/>.
2. DESIGN - MATERIALS:
  - a. SEE BOM TABLE
3. DESIGN - GEOMETRY:
  - a. 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.
  - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
  - c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
  - d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX
  - e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
  - f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B) CAD MODEL
- g. LASER MARKING:
  1. PART NUMBER
  2. DAY OF THE YEAR
  3. SHIFT
  4. YEAR

A12	RELEASE ALL KEYS SALEABLE
A11	RELEASE NON SIR SALEABLE
A10	PART #'S WITH NEW LATCH DESIGN SALEABLE
A9	PART #'S WITH NEW LATCH DESIGN SALEABLE
A8	ADDED NEW PART NUMBERS FOR LATCH IMPROVEMENT PARTS
A7	UPDATED 34900-6012 AND 34900-6012 TO SALEBLE
A6	UPDATED SHROUD LENGTH DIMENSION SCHEME
A5	BOM CORRECTIONS AND UPDATES
A4	BOM CORRECTIONS AND UPDATES
A3	NON SIR PART# OK TO TOOL
A2	BOM UPDATES FOR NON-SIR PART #
A1	1X6 MID LENGTH SHROUD OK TO TOOL
A	1X4 INLINE VIEWS ADDED
1	INITIAL RELEASE
REV	DESCRIPTION

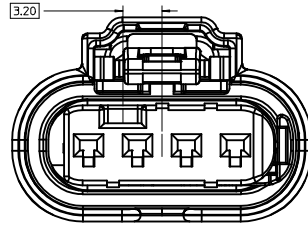
<b>ENTER DESCRIPTION</b> ELC NO: UAU2016-1730 DRAWN: PATE01 2016/05/23 CHKD: APPR: KOKOSKI 2016/05/31	<b>QUALITY SYMBOLS</b> ∇=0 ∇=0 ∇=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> mm      INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.50 ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	<b>DIMENSION STYLE</b> MM ONLY	DRAWN BY: MYANSLAMBROU 2012/05/03 DATE:	TITLE: 12MM 1X4, 1X6 RECPT. SEALED ASSEMBLY CABLE SEAL  <b>molex</b>
				CHECKED BY: DATE:	
SHEET NO. 1 OF 6				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



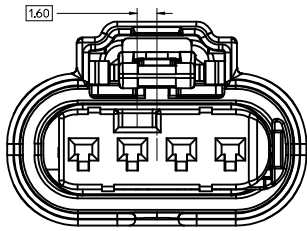
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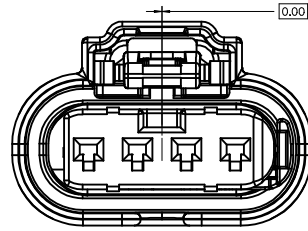
KEYING OPTION A



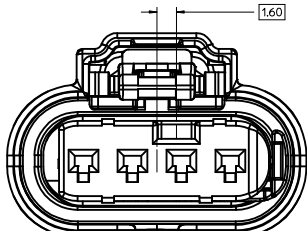
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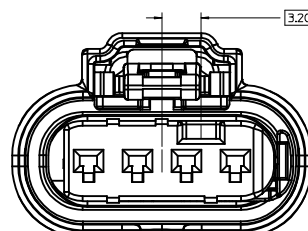
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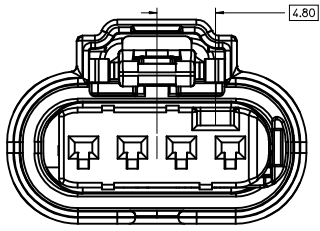
KEYING OPTION F



KEYING OPTION C



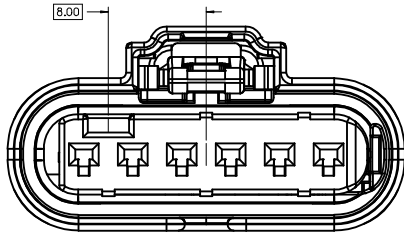
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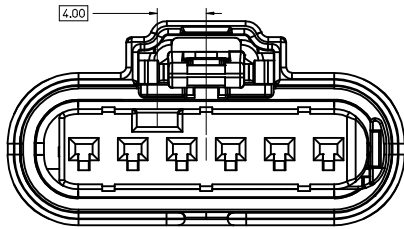
KEYING OPTION D

<b>ENTER DESCRIPTION</b> ELEC NO: UAU2016-1730 DRAWN/PATE01 2016/05/23 CHKD: APPR:KIEKOSKI 2016/05/31 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	5:1	METRIC	☉
	▽=0	3 PLACES ± 0.10 ± ---				
	▽=0	2 PLACES ± 0.20 ± ---				
		1 PLACE ± 0.50 ± ---				
		0 PLACE ± 0.50 ± ---				
		ANGULAR ± 3 °				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			DRAWN BY	DATE	TITLE	
			MYANSLAMBROU	2012/05/03	12MM 1X4, 1X6 RECPT. SEALED ASSEMBLY CABLE SEAL	
			CHECKED BY	DATE		
			APPROVED BY	DATE		
			GGA	2012/12/13		
			MATERIAL NO.		DOCUMENT NO.	SHEET NO.
			SEE BOM		SD-34900-6001	2 OF 6
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			D			

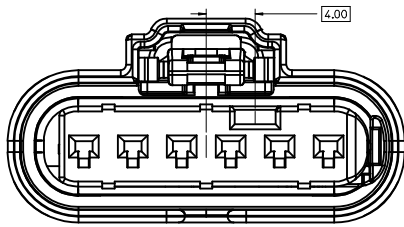
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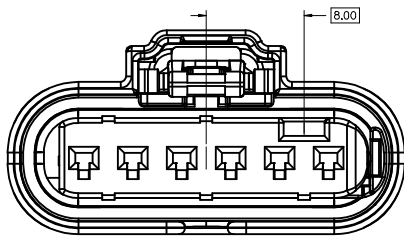
KEYING OPTION A



KEYING OPTION B



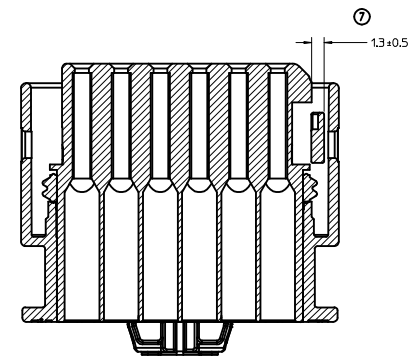
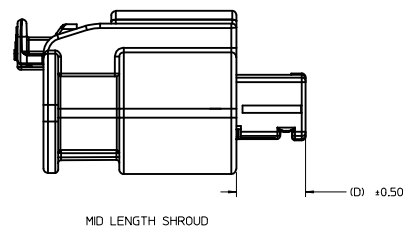
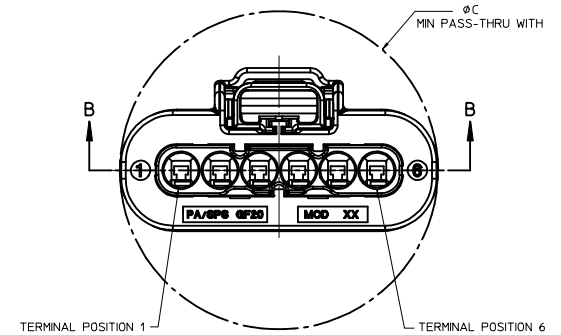
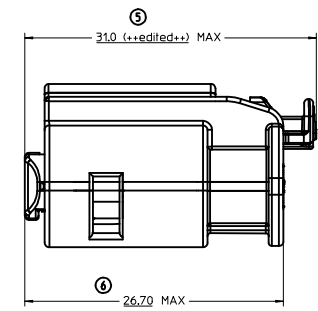
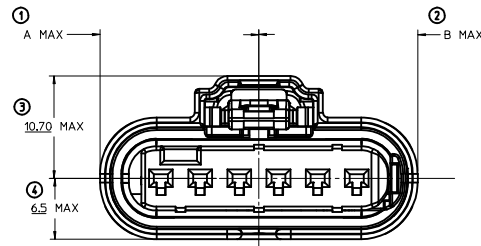
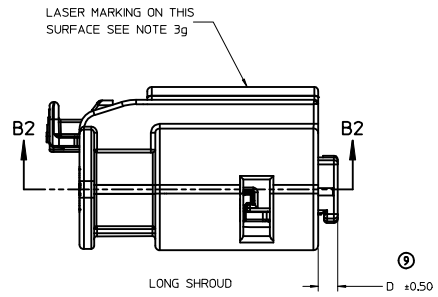
KEYING OPTION C



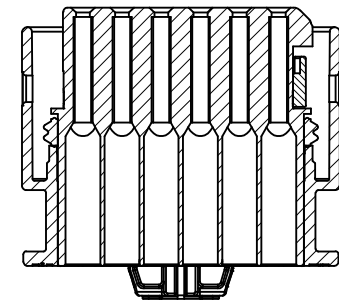
KEYING OPTION D

SEE SHEET 1 DEC NO: UAU2016-1730 DRAWN/PATE01 2016/05/23 CHKD: APPR:KIEKOSKI 2016/05/31	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0 ▽=0	mm INCH	MM ONLY 5:1 METRIC	DRAWN BY: MYANSLAMBROU DATE: 2012/05/03 CHECKED BY:	DATE: 2012/12/13 APPROVED BY: GGA	TITLE: 12MM 1X4, 1X6 RECPT. SEALED ASSEMBLY CABLE SEAL molex
A12	REVISIONS DESCRIPTION	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM SIZE D	DOCUMENT NO. SD-34900-6001	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

RECEPTACLE SEALED ASSEMBLY



SECTION B-B  
INDEPENDENT SECONDARY LOCK (ISL)  
SHOWN IN THE PRE-STAGED POSITION



SECTION B2-B2  
INDEPENDENT SECONDARY LOCK (ISL)  
SHOWN IN THE FINAL-LOCK POSITION

1x6 MID LENGTH SHROUD	16.5	16.5	33.0	6.70
1x4 MID LENGTH SHROUD	16.5	16.5	25.0	6.70
1x6 LONG SHROUD	16.5	16.5	33.0	2.00
1x4 LONG SHROUD	12.5	12.5	25.0	2.00
DESCRIPTION	A	B	C	D

CHARTED DIMENSIONS

ENTER DESCRIPTION EEC NO: UAU2016-1730 DRAWN: PATE01 CHKD: APPR: KIEKSKI REV: A12	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.005 ±.0002 3 PLACES ±.010 ±.0004 2 PLACES ±.020 ±.0008 1 PLACE ±.050 ±.0020 0 PLACE ±.050 ±.0020 ANGULAR ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	DRAWN BY MYANSLAMBROU DATE 2012/05/03 CHECKED BY DATE APPROVED BY GGA DATE 2012/12/13	TITLE 12MM 1X4, 1X6 RECPT. SEALED ASSEMBLY CABLE SEAL molex DOCUMENT NO. SD-34900-6001 SHEET NO. 4 OF 6
	MATERIAL NO. SEE BOM		MATERIAL NO. SEE BOM		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
	SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX				

1x4 RECEPTACLE SEALED ASSEMBLY BOM SHEET 1

KEY OPTION	CONNECTOR HOUSING COLOR	TERMINAL HOUSING COLOR	OUTER HOUSING SHROUD LENGTH	ASSEMBLY PART NUMBER	CHMB	A	B	C	D	E	F	G	CONCEPT	1	2
KEY OPTION G	BLACK	LIGHT GRAY	MID LENGTH	34900-4136									CONCEPT	1	2
KEY OPTION F	BLACK	BLACK	MID LENGTH	34900-4135							F		CONCEPT	1	2
KEY OPTION E	BLACK	DARK GRAY	MID LENGTH	34900-4134						E			CONCEPT	1	2
KEY OPTION D	BLACK	LIGHT GRAY	MID LENGTH	34900-4133						D			CONCEPT	1	2
KEY OPTION C	BLACK	DARK GRAY	MID LENGTH	34900-4132						C			CONCEPT	1	2
KEY OPTION B	BLACK	STONE GRAY	MID LENGTH	34900-4131						B			CONCEPT	1	2
KEY OPTION A	BLACK	BLACK	MID LENGTH	34900-4130						A			CONCEPT	1	2
KEY OPTION G	BLACK	LIGHT GRAY	LONG	34900-4126								G	SALEABLE	1	2
KEY OPTION F	BLACK	BLACK	LONG	34900-4125								F	SALEABLE	1	2
KEY OPTION E	BLACK	DARK GRAY	LONG	34900-4124							E		SALEABLE	1	2
KEY OPTION D	BLACK	LIGHT GRAY	LONG	34900-4123						D			SALEABLE	1	2
KEY OPTION C	BLACK	DARK GRAY	LONG	34900-4122						C			SALEABLE	1	2
KEY OPTION B	BLACK	STONE GRAY	LONG	34900-4121						B			SALEABLE	1	2
KEY OPTION A	BLACK	BLACK	LONG	34900-4120						A			SALEABLE	1	2
KEY OPTION G	YELLOW	LIGHT GRAY	LONG	34900-4116								G	SALEABLE	1	2
KEY OPTION F	YELLOW	BLACK	LONG	34900-4115								F	SALEABLE	1	2
KEY OPTION E	YELLOW	DARK GRAY	LONG	34900-4114							E		SALEABLE	1	2
KEY OPTION D	YELLOW	LIGHT GRAY	LONG	34900-4113						D			SALEABLE	1	2
KEY OPTION C	YELLOW	DARK GRAY	LONG	34900-4112						C			SALEABLE	1	2
KEY OPTION B	YELLOW	STONE GRAY	LONG	34900-4111						B			SALEABLE	1	2
KEY OPTION A	YELLOW	BLACK	LONG	34900-4110						A			SALEABLE	1	2
KEY OPTION G	BLACK	LIGHT GRAY	LONG	34900-4026								G	OBSOLETE	1	2
KEY OPTION F	BLACK	BLACK	LONG	34900-4025								F	OBSOLETE	1	2
KEY OPTION E	BLACK	DARK GRAY	LONG	34900-4024							E		OBSOLETE	1	2
KEY OPTION D	BLACK	LIGHT GRAY	LONG	34900-4023						D			OBSOLETE	1	2
KEY OPTION C	BLACK	DARK GRAY	LONG	34900-4022						C			OBSOLETE	1	2
KEY OPTION B	BLACK	STONE GRAY	LONG	34900-4021						B			OBSOLETE	1	2
KEY OPTION A	BLACK	BLACK	LONG	34900-4020						A			OBSOLETE	1	2
KEY OPTION G	YELLOW	LIGHT GRAY	LONG	34900-4016								G	OBSOLETE	1	2
KEY OPTION F	YELLOW	BLACK	LONG	34900-4015								F	OBSOLETE	1	2
KEY OPTION E	YELLOW	DARK GRAY	LONG	34900-4014							E		OBSOLETE	1	2
KEY OPTION D	YELLOW	LIGHT GRAY	LONG	34900-4013						D			OBSOLETE	1	2
KEY OPTION C	YELLOW	DARK GRAY	LONG	34900-4012						C			OBSOLETE	1	2
KEY OPTION B	YELLOW	STONE GRAY	LONG	34900-4011						B			OBSOLETE	1	2
KEY OPTION A	YELLOW	BLACK	LONG	34900-4010						A			OBSOLETE	1	2
ASSEMBLY DESCRIPTION	CONNECTOR HOUSING COLOR	TERMINAL HOUSING COLOR	OUTER HOUSING SHROUD LENGTH	ASSEMBLY PART NUMBER									PRODUCTION TOOL STATUS	COMMENTS	DESIGNED TO MATE WITH DEVICE CONNECTION

ABBREVIATION	COMPONENT
CHY	CONNECTOR HOUSING YELLOW
CHB	CONNECTOR HOUSING BLACK
CHBM	CONNECTOR HOUSING BLACK MID SHROUD
A	TERMINAL HOUSING KEY A
B	TERMINAL HOUSING KEY B
C	TERMINAL HOUSING KEY C
D	TERMINAL HOUSING KEY D
E	TERMINAL HOUSING KEY E
F	TERMINAL HOUSING KEY F
G	TERMINAL HOUSING KEY G
CPA	CPA
ISL	ISL
RING SEAL	RING SEAL
1	USCAR INTERFACE 120-S-004-1-202 SEE NOTE 1f FOR WEBSITE
2	MOLEX INLINE BLADE CONNECTOR SD-34899-6001

DESCRIPTION	COLOR	MATERIAL	COMMENTS
RING SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE	
ISL	NATURAL	SPS/NYLON GF20	
CPA	RED	PBT GF30	
TERMINAL HOUSING KEYING OPTION G	LIGHT GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION F	BLACK	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION E	DARK GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION D	LIGHT GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION B	STONE GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20	
MID LENGTH CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING	YELLOW	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING	YELLOW	SPS/NYLON GF20	

<b>ENTER DESCRIPTION</b> ELEC NO: UAU2016-1730 DRAWN/PAT01 CHYD: APPR:K0EKSJL 2016/05/12 2016/05/31 REV DESCRIPTION	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.50 ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE MYANSLAMBROU 2012/05/03 CHECKED BY DATE APPROVED BY DATE GGA 2012/12/13	SCALE 5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 12MM 1X4, 1X6 RECP. SEALED ASSEMBLY CABLE SEAL molex MATERIAL NO. SEE BOM DOCUMENT NO. SD-34900-6001 SHEET NO. 5 OF 6
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	SIZE D				

1x6 RECEPTACLE SEALED ASSEMBLY BOM SHEET 1

KEY OPTION D	BLACK	STONE GRAY	MID LENGTH	34900-6190				CHMB		D	SALEABLE					3		
KEY OPTION C	BLACK	DARK GRAY	MID LENGTH	34900-6121				CHMB		C	SALEABLE					3		
KEY OPTION B	BLACK	LIGHT GRAY	MID LENGTH	34900-6128				CHMB	B		SALEABLE					3		
KEY OPTION A	BLACK	BLACK	MID LENGTH	34900-6119				CHMB	A		SALEABLE					3		
KEY OPTION D	BLACK	STONE GARY	LONG	34900-6143				CHLB		D	SALEABLE		1	2				
KEY OPTION C	BLACK	DARK GRAY	LONG	34900-6142				CHLB		C	SALEABLE		1	2				
KEY OPTION B	BLACK	LIGHT GRAY	LONG	34900-6141				CHLB	B		SALEABLE		1	2				
KEY OPTION A	BLACK	BLACK	LONG	34900-6140				CHLB	A		SALEABLE		1	2				
KEY OPTION D	YELLOW	STONE GRAY	LONG	34900-6113				CHLY		D	SALEABLE		1	2				
KEY OPTION C	YELLOW	DARK GRAY	LONG	34900-6112				CHLY		C	SALEABLE		1	2				
KEY OPTION B	YELLOW	LIGHT GRAY	LONG	34900-6111				CHLY	B		SALEABLE		1	2				
KEY OPTION A	YELLOW	BLACK	LONG	34900-6110				CHLY	A		SALEABLE		1	2				
KEY OPTION D	BLACK	STONE GRAY	MID LENGTH	34900-6030				CHMB		D	OBSOLETE					3		
KEY OPTION C	BLACK	DARK GRAY	MID LENGTH	34900-6021				CHMB		C	OBSOLETE					3		
KEY OPTION B	BLACK	LIGHT GRAY	MID LENGTH	34900-6028				CHMB	B		OBSOLETE					3		
KEY OPTION A	BLACK	BLACK	MID LENGTH	34900-6019				CHMB	A		OBSOLETE					3		
KEY OPTION D	BLACK	STONE GARY	LONG	34900-6043				CHLB		D	OBSOLETE		1	2				
KEY OPTION C	BLACK	DARK GRAY	LONG	34900-6042				CHLB		C	OBSOLETE		1	2				
KEY OPTION B	BLACK	LIGHT GRAY	LONG	34900-6041				CHLB	B		OBSOLETE		1	2				
KEY OPTION A	BLACK	BLACK	LONG	34900-6040				CHLB	A		OBSOLETE		1	2				
KEY OPTION D	YELLOW	STONE GRAY	LONG	34900-6013				CHLY		D	OBSOLETE		1	2				
KEY OPTION C	YELLOW	DARK GRAY	LONG	34900-6012				CHLY		C	OBSOLETE		1	2				
KEY OPTION B	YELLOW	LIGHT GRAY	LONG	34900-6011				CHLY	B		OBSOLETE		1	2				
KEY OPTION A	YELLOW	BLACK	LONG	34900-6010				CHLY	A		OBSOLETE		1	2				
ASSEMBLY DESCRIPTION	CONNECTOR HOUSING COLOR	TERMINAL CAVITY COLOR	OUTER HOUSING SHROUD LENGTH	ASSEMBLY PART NUMBER					A	B	C	D	PRODUCTION TOOL STATUS	COMMENTS	DESIGNED TO MATE WITH DEVICE CONNECTION	1	2	3

RING SEAL	BURNT RED	INHERENTLY LUBRICATED SILICONE	
ISL	NATURAL	SPS/NYLON GF20	
CPA	RED	PBT GF30	
TERMINAL HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20	
TERMINAL HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING MID LENGTH	BLACK	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING LONG	BLACK	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING LONG	YELLOW	SPS/NYLON GF20	UPDATED LATCH
CONNECTOR HOUSING MID LENGTH	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING LONG	BLACK	SPS/NYLON GF20	
CONNECTOR HOUSING LONG	YELLOW	SPS/NYLON GF20	

DESCRIPTION	COLOR	MATERIAL	COMMENTS
BOM/APPLICABLE COMPONENTS TABLE			

LEGEND TABLE	
ABBREVIATION	COMPONENT
CHLY	CONNECTOR HOUSING LONG YELLOW
CHLB	CONNECTOR HOUSING LONG BLACK
CHMB	CONNECTOR HOUSING MEDIUM BLACK
A	TERMINAL HOUSING KEY A
B	TERMINAL HOUSING KEY B
C	TERMINAL HOUSING KEY C
D	TERMINAL HOUSING KEY D
CPA	CPA
ISL	ISL
RING SEAL	RING SEAL
1	USCAR INTERFACE 120-S-006-1-Z02 SEE NOTE 1f FOR WEBSITE
2	MOLEX INLINE BLADE CONNECTOR SD-34899-6001
3	USCAR INTERFACE 120-S-006-1-Z04 SEE NOTE 1f FOR WEBSITE

<b>ENTER DESCRIPTION</b> ELEC NO: UAU2016-1730 DRAWN/PAT01 CHKD: APPR:K0EKGSL 2016/05/23 2016/05/31 A12	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± 0.50 ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE MYANSLAMBROU 2012/05/03 CHECKED BY DATE APPROVED BY DATE GGA 2012/12/13	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 1.2MM 1X4, 1X6 RECP. SEALED ASSEMBLY CABLE SEAL <b>molex</b> DOCUMENT NO. SD-34900-6001 SHEET NO. 6 OF 6
	MATERIAL NO. SEE TABLE				
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	SIZE D				