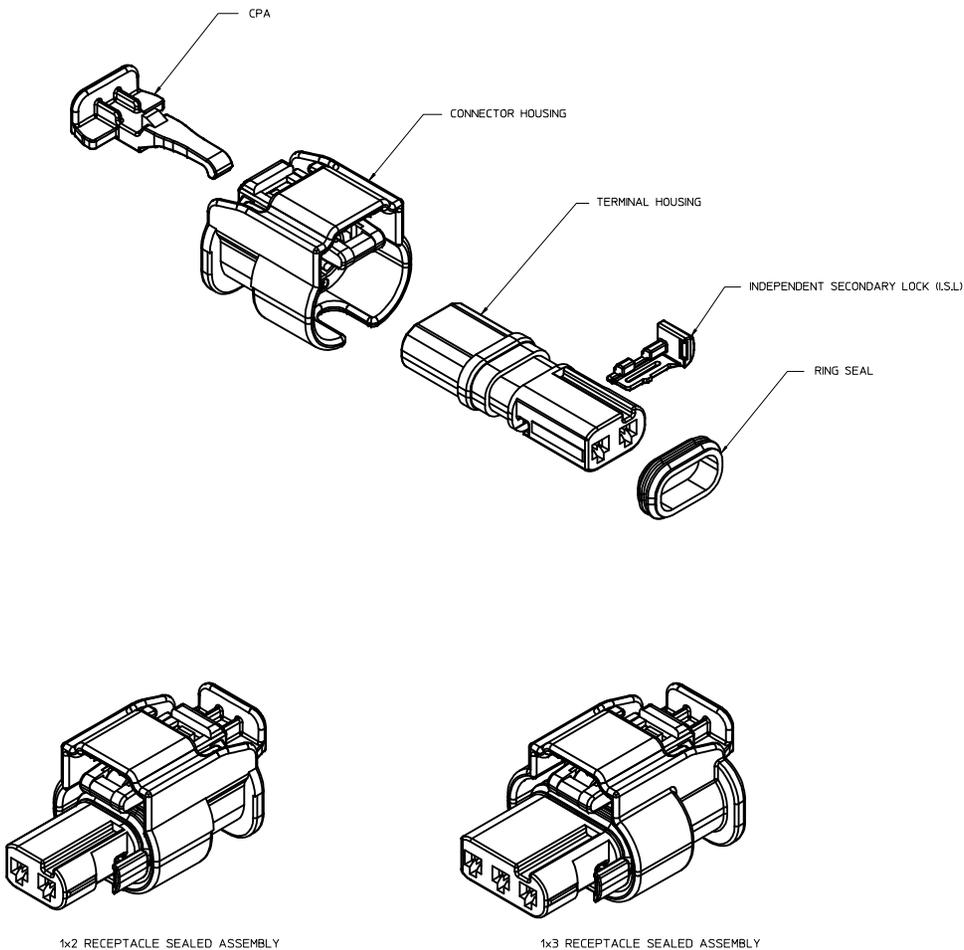


TABLE OF CONTENTS

SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	1x2 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS
3	1x3 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS
4	RECEPTACLE SEALED ASSEMBLY
5	1x2 RECEPTACLE SEALED ASSEMBLY BOM SHEET 1
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/>.

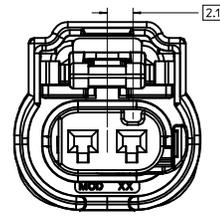
2. DESIGN - MATERIALS:
a. SEE BOM TABLE

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)
g. LASER MARKING:
 1. PART NUMBER
 2. DAY OF THE YEAR
 3. SHIFT
 4. YEAR

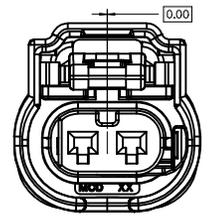
REV	DESCRIPTION
C	34900-3127 RELEASED AS SALEABLE
B	PRIMARY KEYS (A,B) MOVED TO SALEABLE
A10	ADDED 1X3 SEVERE VIBRATION PART NUMBER
A9	1X2 AND 1X3 PART # STATUS UPDATED DIMENSION 2 UPDATED
A8	1X2 PART # UPDATED TO *TOOLED BUT NOT VALIDATED*
A7	1X2 PART # UPDATED TO *TOOLED BUT NOT VALIDATED*
A6	ADDED 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

ENTER DESCRIPTION EC NO: VAL2017-0205 DRWN: PATE01 2016/09/07 CHKD: APPR: KOZEKSKI 2016/09/13 REV:	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±.00</td> <td>±.00</td> </tr> <tr> <td>3 PLACES</td> <td>±.01</td> <td>±.00</td> </tr> <tr> <td>2 PLACES</td> <td>±.02</td> <td>±.00</td> </tr> <tr> <td>1 PLACE</td> <td>±.03</td> <td>±.00</td> </tr> <tr> <td>0 PLACE</td> <td>±.05</td> <td>±.00</td> </tr> </tbody> </table> ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	±.00	±.00	3 PLACES	±.01	±.00	2 PLACES	±.02	±.00	1 PLACE	±.03	±.00	0 PLACE	±.05	±.00	DIMENSION STYLE MM ONLY	SCALE: 4:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	DRAWN BY: MYANSLAMBROU 2012/02/15 DATE: 2012/02/15 CHECKED BY: DATE:	TITLED: 12MM 1X2, 1X3 RECP. SEALED ASSEMBLY CABLE SEAL
				mm	INCH																			
4 PLACES	±.00	±.00																						
3 PLACES	±.01	±.00																						
2 PLACES	±.02	±.00																						
1 PLACE	±.03	±.00																						
0 PLACE	±.05	±.00																						
APPROVED BY: GGA 2012/12/13 DATE: 2012/12/13	MATERIAL NO: SEE TABLE SIZE: D	DOCUMENT NO: SD-34900-0001	SHEET NO: 1 OF 6																					

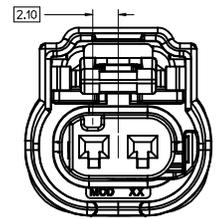
1x2 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS. FOR PART NUMBERS REFER TO BOM SHEET.



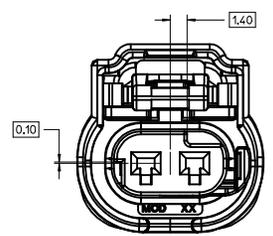
KEYING OPTION A



KEYING OPTION B



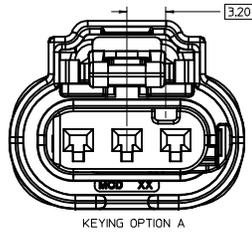
KEYING OPTION C



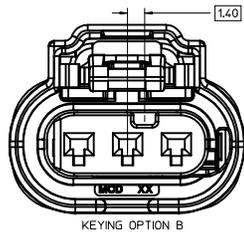
KEYING OPTION E

ENTER DESCRIPTION IEC NO: UAU2017-0205 DRAWN/PATE01 2016/09/07 CHKD: APPR:KIEKOSKI 2016/09/13	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 ±					
		0 PLACE ± 0.50 ±					
		ANGULAR ± 3 °					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			DRAWN BY	DATE	TITLE		
			MYANSLAMBROU	2012/02/15	12MM 1X2. 1X3 RECP.T. SEALED ASSEMBLY CABLE SEAL		
			CHECKED BY	DATE			
			APPROVED BY	DATE			
			GGA	2012/12/13			
			MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
			SEE BOM		SD-34900-2001	2 OF 6	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

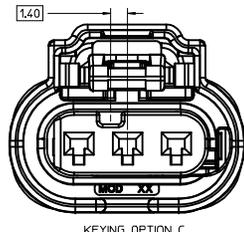
1x3 RECEPTACLE SEALED ASSEMBLY KEYING CONFIGURATIONS. FOR PART NUMBERS REFER TO BOM SHEET.



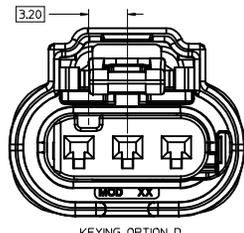
KEYING OPTION A



KEYING OPTION B

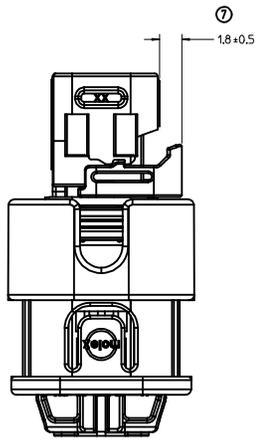
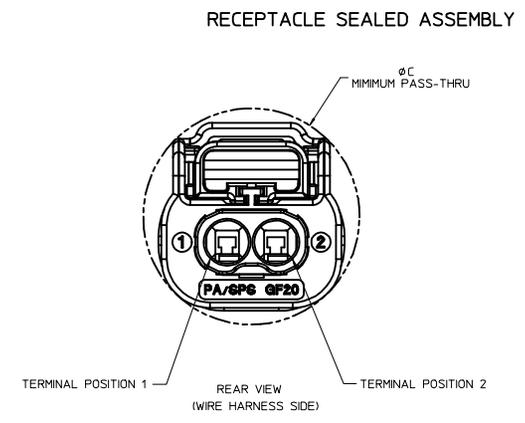
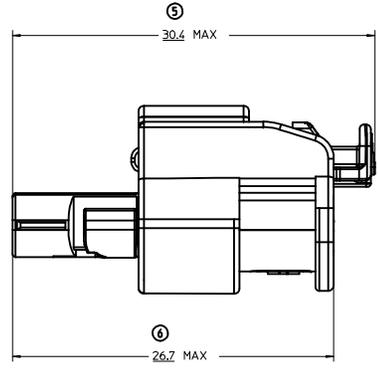
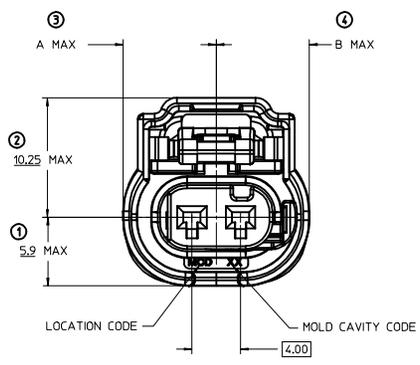
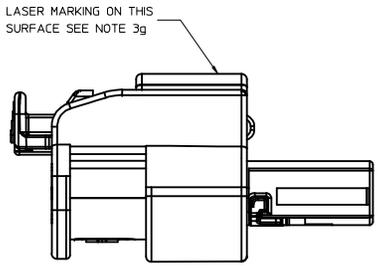


KEYING OPTION C

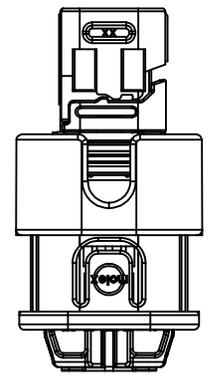


KEYING OPTION D

ENTER DESCRIPTION IEC NO: UAU2017-0205 DRAWN/PATE01 2016/09/07 CHKD: APPR:KIEKSKI 2016/09/13	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 5:1	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 DATE MYANSLAMBROU 2012/02/15	CHECKED BY DATE	TITLE 12MM 1X2, 1X3 RECPT. SEALED ASSEMBLY CABLE SEAL			
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE GGA 2012/12/13	MATERIAL NO. SEE BOM		DOCUMENT NO. SD-34900-2001		SHEET NO. 3 OF 6
		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							molex



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

ENTER DESCRIPTION EC NO: UAU2017-0205 DRAWN: PATE01 2016/09/07 CHKD: APPR: KIEKOSKI 2016/09/13 REV:	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 ± --- ± ---				
	▽=0	3 PLACES ± 0.10 ± ---				
		ANGULAR ± 3 °				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			DRAWN BY	DATE	TITLE	
			MYANSLAMBROU	2012/02/15	1.2MM 1X2, 1X3 RECP.T. SEALED ASSEMBLY CABLE SEAL	
			CHECKED BY	DATE		
			APPROVED BY	DATE		
			GGA	2012/12/13		
			MATERIAL NO.	DOCUMENT NO.		
			SEE BOM	SD-34900-2001		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO.
						4 OF 6

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

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

LEGEND 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

ENTER DESCRIPTION EC NO: UAU2017-0205 DRAWN: PATE01 2016/09/07 CHKD: APPR: K0EKO5K1 2016/09/13 REV:	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 MM ONLY SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	DRAWN BY DATE MYANSLAMBROU 2012/02/15 CHECKED BY DATE APPROVED BY DATE GGA 2012/12/13 MATERIAL NO. 999999999 DOCUMENT NO. SD-34900-2001	TITLE 12MM 1X2. 1X3 RECPT. SEALED ASSEMBLY CABLE SEAL molex SHEET NO. 5 OF 6
	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

KEYING OPTION	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	SALEABLE	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

ENTER DESCRIPTION IEC NO. UAU2017-0205 DRAWN/PAT01 2016/09/07 CHYD: APPR:KOEKSKL 2016/09/13 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	SCALE 5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 12MM 1X2, 1X3 RECPCT. SEALED ASSEMBLY CABLE SEAL molex	MATERIAL NO. 999999999 DOCUMENT NO. SD-34900-2001	SHEET NO. 6 OF 6
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						