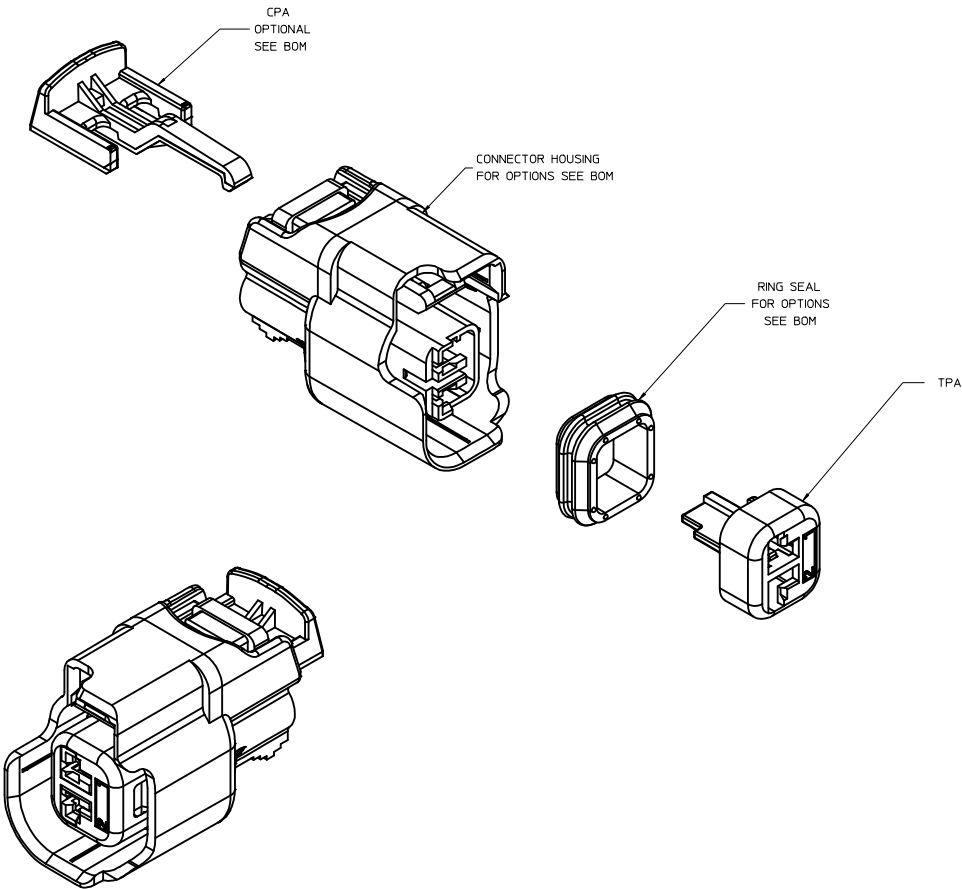


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2,3	RCPT. HRN. CONN. CONFIGURATIONS
4	RCPT. HRN. CONN.
5,6	BOM
7	MOLEX INTERFACE



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34062-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 AND SAE/USCAR-12 REV.2 WITH THE FOLLOWING EXCEPTIONS:
 - TPA REMOVAL FROM FINAL LOCK - SECOND CYCLE: 12N MIN.
 - POLARIZATION FEATURE EFFECTIVENESS: CONFORMS TO USCAR-2 REV 5
 - CPA DISENGAGE FORCE FROM FINAL-LOCK TO PRE-LOCK SHALL BE 10N MIN AND 40N MAX.
- b. PRODUCT SPECIFICATION SEE: PS-34062-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RECOMMENDED MATING CONNECTORS AND INTERFACES, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-30907-879
- 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 DRAWING EWCAP 150-S-002-1-201. 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: TBD

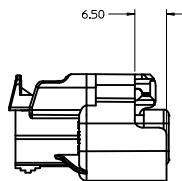
INSPECTION NUMBER LOG
LAST NUMBER USED:
ADDED:
REMOVED:

J8	UPDATE 34062-0057
J7	ADDED P/N 34062-0057
J6	P/N 34062-0041, 0043, 0044, & 0046 SALEABLE
J5	ADDED P/N 34062-0056
J4	ADDED P/N 34062-4003 & 34062-4004
J3	34062-0042 & 34062-0045 SALEABLE
J2	UPDATED VIEWS
REV	DESCRIPTION

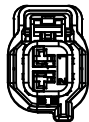
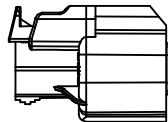
ENTER DESCRIPTION EC NO. UAU2014-1656 DRAWN BY: 2014/04/24 J8 CHKD: 2014/04/29 APPR: W05HY REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
				DRAWN BY DATE		TITLE		CONNECTOR ASSEMBLY 2-WAY FUEL 15MM FEMALE FUEL INJECTOR CONNECTOR molex			
				CHECKED BY DATE							
				APPROVED BY DATE							
		4 PLACES ± --- ± ---		KCUINI INGHAM 2011/11/08							
		3 PLACES ± --- ± ---									
		2 PLACES ± 0.10 ± ---		MVANS LAMBROU 1/26/2012							
		1 PLACE ± 0.3 ± ---									
0 PLACE ± ±											
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SEE BOM		SD-34062-002	
		DRAFT WHERE APPLICABLE		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 1 OF 7	
		MUST REMAIN WITHIN DIMENSIONS									

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

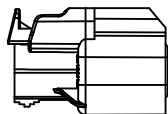
M
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D
C
B
A



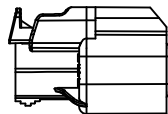
OPTION A



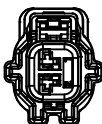
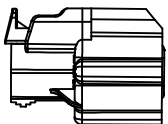
OPTION B



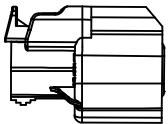
OPTION C



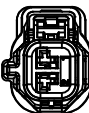
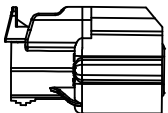
OPTION D



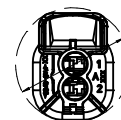
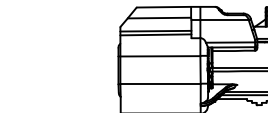
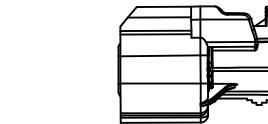
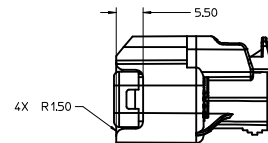
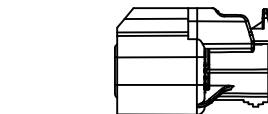
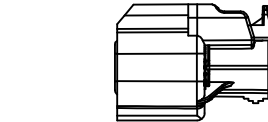
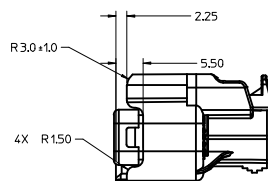
OPTION E



OPTION F

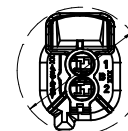


OPTION G



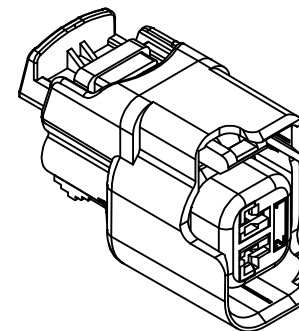
REAR VIEW

Ø 23.40
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON CLIP-SLOT
OPTIONS A, C, D, & G



REAR VIEW

Ø 26.00
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON CLIP-SLOT
OPTIONS B, E, & F



NON CLIP-SLOT OPTION
SCALE 4:1

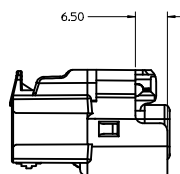
RCPT. HRN. CONN. CONFIGURATIONS 1

ENTER DESCRIPTION IEC NO: UAU2014-1656 2014/04/24 DRAWN BY CHKD: APPR: W05HY REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE KUNNINGHAM 2011/11/08 CHECKED BY DATE MYANSLAMBROU 1/26/2012 APPROVED BY DATE	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE CONNECTOR ASSEMBLY 2-WAY FUEL 15MM FEMALE FUEL INJECTOR CONNECTOR molex	MATERIAL NO. SEE BOM DOCUMENT NO. SD-34062-002	SHEET NO. 2 OF 7

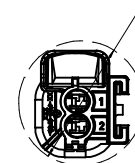
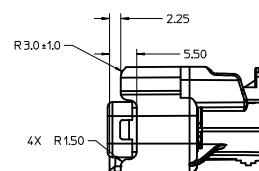
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

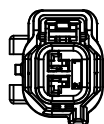
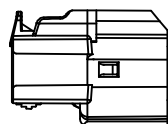
RCPT. HRN. CONN. CONFIGURATIONS 2



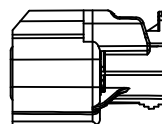
OPTION A W/CLIP-SLOT



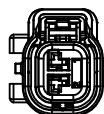
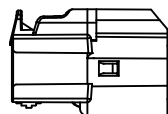
Ø 25.50
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO CLIP-SLOT
OPTIONS A, C AND D



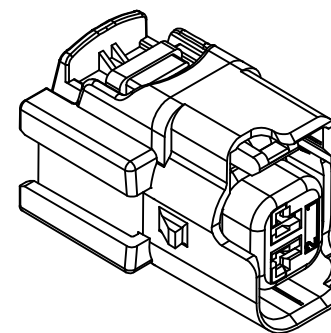
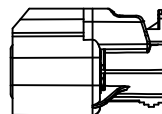
OPTION B W/CLIP-SLOT



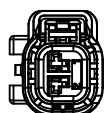
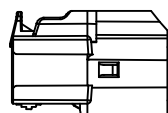
Ø 26.00
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO CLIP-SLOT
OPTIONS B



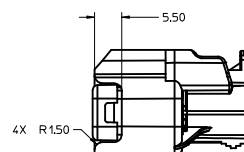
OPTION C W/CLIP-SLOT



CLIP-SLOT OPTION
SCALE 4:1



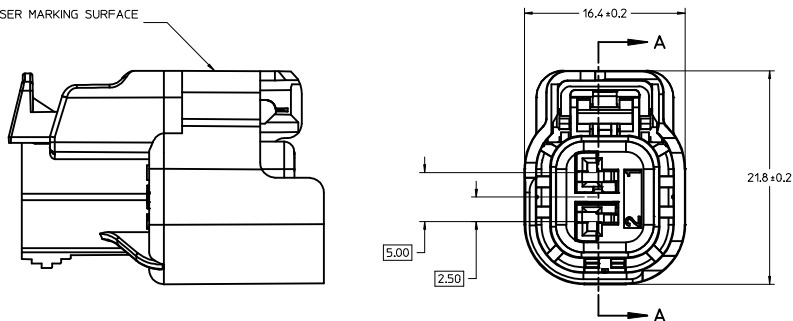
OPTION D W/CLIP-SLOT



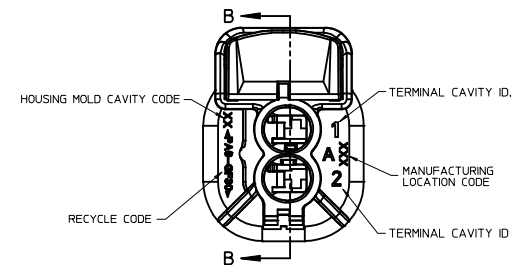
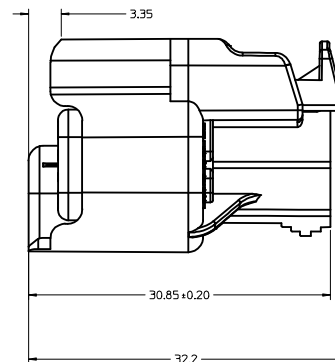
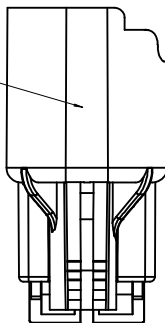
ENTER DESCRIPTION IEC NO: UAU2014-1656 DRAWN BY CHKD: APPR:WOSHY REV J8		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE CONNECTOR ASSEMBLY 2-WAY FUEL 15MM FEMALE FUEL INJECTOR CONNECTOR molex	DOCUMENT NO. SD-34062-002	SHEET NO. 3 OF 7	
					DRAWN BY KUNNINGHAM		DATE 2011/11/08						
					CHECKED BY MVANSLAMBROU		DATE 1/26/2012						
					APPROVED BY		DATE						
			mm INCH										
		▽=0	4 PLACES ± .---										
		▽=0	3 PLACES ± .---										
		▽=0	2 PLACES ± 0.10										
			1 PLACE ± 0.3										
			0 PLACE ±										
			ANGULAR ± 3 °										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
					MATERIAL NO.		SEE BOM						
					SIZE D								

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

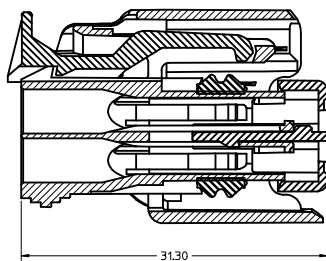
OPTIONAL LASER MARKING SURFACE
SEE NOTE h.



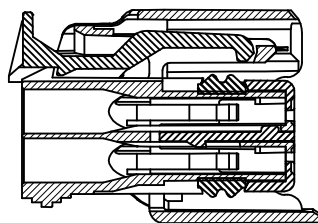
OPTIONAL LASER MARKING SURFACE
SEE NOTE h.



RCPT. HRN. CONN.



TPA SHOWN IN THE
PRE-STAGED POSITION
SECTION A-A



SECTION B-B

TPA SHOWN IN
FINAL-LOCK POSITION

ENTER DESCRIPTION EC NO: UAU2014-1656 DRAWN BY CHKD: APPR: WOSHY REV J8	DESCRIPTION 2014/04/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE CONNECTOR ASSEMBLY 2-WAY FUEL 15MM FEMALE FUEL INJECTOR CONNECTOR molex	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-34062-002	SHEET NO. 4 OF 7		
			mm		INCH		DRAWN BY KCUNNINGHAM	DATE 2011/11/08									
			4 PLACES ±		+---		CHECKED BY MYANSLAMBROU		DATE 1/26/2012								
			3 PLACES ±		+---		APPROVED BY		DATE								
			2 PLACES ±		+0.10												
			1 PLACE ±		+0.3												
			0 PLACE ±		±												
					ANGULAR ± 3 °												
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												
					SIZE D												

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

OPTION A, W/ CPA, BLACK	34062-0047	-40°C TO 125°C	A																R3	CPA	SALEABLE	1			
OPTION G, W/ CPA, BLACK	34062-0046	-40°C TO 155°C								G										R4	CPA	SALEABLE		2	
OPTION F, W/ CPA, LT. GRAY	34062-0045	-40°C TO 155°C								F										R4	CPA	SALEABLE		2	
OPTION E, W/ CPA, BLACK	34062-0044	-40°C TO 155°C								E										R4	CPA	SALEABLE		2	
OPTION G, BLACK	34062-0043	-40°C TO 155°C									G									R4		SALEABLE		2	
OPTION F, LT. GRAY	34062-0042	-40°C TO 155°C									F									R4		SALEABLE		2	
OPTION E, BLACK	34062-0041	-40°C TO 155°C								E										R4		SALEABLE		2	
OPTION D, W/ CPA, & WITH RIBS, BLACK	34062-4009	-40°C TO 155°C																	D	R4	CPA	SALEABLE	1		
OPTION C, W/ CPA & WITH RIBS, BLACK	34062-4008	-40°C TO 155°C																		C	R4	CPA	SALEABLE	1	
OPTION D, W/ CPA & CLIP-SLOT, LT. GRAY	34062-0040	-40°C TO 125°C																	D	R3	CPA	SALEABLE	1		
OPTION D, W/ CPA & CLIP-SLOT, BLACK	34062-0039	-40°C TO 125°C																	D	R3	CPA	SALEABLE	1		
OPTION C, W/ CPA & CLIP-SLOT, BLACK	34062-0038	-40°C TO 125°C																		C	R3	CPA	SALEABLE	1	3
OPTION B, W/ CPA & CLIP-SLOT, LT. GRAY	34062-0037	-40°C TO 125°C																		B	R3	CPA	SALEABLE	1	3
OPTION A, W/ CPA & CLIP-SLOT, BLACK	34062-0036	-40°C TO 125°C																		A	R3	CPA	SALEABLE	1	
OPTION D, W/ CLIP-SLOT, LT. GRAY	34062-0035	-40°C TO 125°C																		D	R3		SALEABLE	1	
OPTION D, W/ CLIP-SLOT, BLACK	34062-0034	-40°C TO 125°C																		D	R3		SALEABLE	1	
OPTION C, W/ CLIP-SLOT, BLACK	34062-0033	-40°C TO 125°C																		C	R3		SALEABLE	1	3
OPTION B, W/ CLIP-SLOT, LT. GRAY	34062-0032	-40°C TO 125°C																		B	R3		SALEABLE	1	3
OPTION A, W/ CLIP-SLOT, BLACK	34062-0031	-40°C TO 125°C																		A	R3		SALEABLE	1	
OPTION D, W/ CPA, LT. GRAY	34062-0030	-40°C TO 125°C																		D	R3	CPA	SALEABLE	1	
OPTION D, W/ CPA, BLACK	34062-0028	-40°C TO 125°C																		D	R3	CPA	SALEABLE	1	
OPTION C, W/ CPA, BLACK	34062-0027	-40°C TO 125°C																		C	R3	CPA	SALEABLE	1	3
OPTION B, W/ CPA, LT. GRAY	34062-0026	-40°C TO 125°C																		B	R3	CPA	SALEABLE	1	3
OPTION A, W/ CPA, BLACK	34062-0025	-40°C TO 125°C	A																		R3	CPA	SALEABLE	1	
OPTION D, LT. GRAY	34062-0029	-40°C TO 125°C																		D	R3		SALEABLE	1	
OPTION D, BLACK	34062-0024	-40°C TO 125°C																		D	R3		SALEABLE	1	
OPTION C, BLACK	34062-0023	-40°C TO 125°C																		C	R3		SALEABLE	1	3
OPTION B, LT. GRAY	34062-0022	-40°C TO 125°C																		B	R3		SALEABLE	1	3
OPTION A, BLACK	34062-0021	-40°C TO 125°C	A																		R3		SALEABLE	1	
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	ASSEMBLY OPERATING TEMPERATURE	A	B	C	D	E	F	G	A	B	C	D	C	D	R3	R4	CPA	PRODUCTION TOOL STATUS				1	2	3
																									RECOMMENDED MATING DEVICE

LEGEND TABLE	
ABBREVIATION	COMPONENT
A	HOUSING OPTION A
B	HOUSING OPTION B
C	HOUSING OPTION C
D	HOUSING OPTION D
E	HOUSING OPTION E
F	HOUSING OPTION F
G	HOUSING OPTION G
R3	RING SEAL TEMP. CLASS 3
R4	RING SEAL TEMP. CLASS 4
TPA	INSERT, TPA
CPA	CPA
1	150-S-002-1-201 USCAR INTERFACE
2	MOLEX INTERFACE SEE SHEET 7
3	SD-34675-001 MOLEX INLINE MALE CONNECTOR

INSERT, TPA	NATURAL	PBT GF30
CPA	RED	PBT GF30
RING SEAL TEMP. CLASS 4	GREEN	INHERENTLY LUBRICATED SILICONE
RING SEAL TEMP. CLASS 3	MEDIUM BLUE	INHERENTLY LUBRICATED SILICONE
HOUSING OPTION D WITH RIBS	BLACK	PA6 GF30
HOUSING OPTION C WITH RIBS	BLACK	PA6 GF30
HOUSING OPTION D W/CLIP-SLOT	LT. GRAY	PA6 GF30
HOUSING OPTION D W/CLIP-SLOT	BLACK	PA6 GF30
HOUSING OPTION C W/CLIP-SLOT	BLACK	PA6 GF30
HOUSING OPTION B W/CLIP-SLOT	LT. GRAY	PA6 GF30
HOUSING OPTION A W/CLIP-SLOT	BLACK	PA6 GF30
HOUSING OPTION G	BLACK	PA6 GF30
HOUSING OPTION F	LT. GRAY	PA6 GF30
HOUSING OPTION E	BLACK	PA6 GF30
HOUSING OPTION D	LT. GRAY	PA6 GF30
HOUSING OPTION D	BLACK	PA6 GF30
HOUSING OPTION C	BLACK	PA6 GF30
HOUSING OPTION B	LT. GRAY	PA6 GF30
HOUSING OPTION A	BLACK	PA6 GF30
DESCRIPTION	COLOR	MATERIAL
BOM/APPLICABLE COMPONENTS TABLE		

ENTER DESCRIPTION IEC NO: UAU2014-1656 DRAWN BY: J8 CHKD: CHYK APPR: WOSHY REV: 1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					DRAWN BY	DATE	TITLE			
			4 PLACES ± — ± —		KCUNNINGHAM	2011/11/08	CONNECTOR ASSEMBLY			
			3 PLACES ± — ± —		CHECKED BY	DATE	2-WAY FUEL 15MM FEMALE			
			2 PLACES ±0.10 ± —		MYANSLAMBROU	1/26/2012	FUEL INJECTOR CONNECTOR			
			1 PLACE ±0.3 ± —		APPROVED BY	DATE	molex			
			0 PLACE ± ± —		MATERIAL NO.					DOCUMENT NO.
			ANGULAR ± 3 °		SEE BOM					SD-34062-002
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 5 OF 7

(16)	OPTION A, W/ CPA & CLIP-SLOT, BLACK	34062-0057	-40°C TO 125°C																R3	CPA	SALEABLE	1				
	OPTION D, W/ CPA & CLIP-SLOT, BLACK	34062-0056	-40°C TO 155°C																	R4	CPA	OK TO TOOL	1			
	OPTION C, W/ RIBS, BLACK	34062-4004	-40°C TO 155°C																	R4		SALEABLE	1			
	OPTION C, W/ RIBS, BLACK	34062-4003	-40°C TO 155°C																	R4		SALEABLE	1			
	OPTION C, W/ CPA & CLIP-SLOT, BLACK	34062-0055	-40°C TO 155°C																	R4	CPA	OK TO TOOL	1			3
	OPTION B, W/ CPA & CLIP-SLOT, LT. GRAY	34062-0054	-40°C TO 155°C																	R4	CPA	OK TO TOOL	1			3
	OPTION C, W/ CLIP-SLOT, BLACK	34062-0053	-40°C TO 155°C																	R4		OK TO TOOL	1			3
	OPTION B, W/ CLIP-SLOT, LT. GRAY	34062-0052	-40°C TO 155°C																	R4		OK TO TOOL	1			3
	OPTION C, W/ CPA, BLACK	34062-0051	-40°C TO 155°C																	R4	CPA	OK TO TOOL	1			3
	OPTION B, W/ CPA, LT. GRAY	34062-0050	-40°C TO 155°C																	R4	CPA	OK TO TOOL	1			3
	OPTION C, BLACK	34062-0049	-40°C TO 155°C																	R4		OK TO TOOL	1			3
	OPTION B, LT. GRAY	34062-0048	-40°C TO 155°C																	R4		OK TO TOOL	1			3
	ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	ASSEMBLY OPERATING TEMPERATURE	A	B	C	D	E	F	G	A	B	C	D	D	C	D	R3	R4	CPA	PRODUCTION TOOL STATUS	1	2	3	RECOMMENDED MATING DEVICE	

INSERT, TPA	NATURAL	PBT GF30
CFA	RED	PBT GF30
RING SEAL TEMP. CLASS 4	GREEN	INHERENTLY LUBRICATED SILICON
RING SEAL TEMP. CLASS 3	MEDIUM BLUE	INHERENTLY LUBRICATED SILICON
HOUSING OPTION D WITH RIBS	BLACK	PA6 GF30
HOUSING OPTION C WITH RIBS	BLACK	PA6 GF30
HOUSING OPTION D W/CLIP-SLOT	LT. GRAY	PA6 GF30
HOUSING OPTION D W/CLIP-SLOT	BLACK	PA6 GF30
HOUSING OPTION C W/CLIP-SLOT	BLACK	PA6 GF30
HOUSING OPTION B W/CLIP-SLOT	LT. GRAY	PA6 GF30
HOUSING OPTION A W/CLIP-SLOT	BLACK	PA6 GF30
HOUSING OPTION G	BLACK	PA6 GF30
HOUSING OPTION F	LT. GRAY	PA6 GF30
HOUSING OPTION E	BLACK	PA6 GF30
HOUSING OPTION D	LT. GRAY	PA6 GF30
HOUSING OPTION D	BLACK	PA6 GF30
HOUSING OPTION C	BLACK	PA6 GF30
HOUSING OPTION B	LT. GRAY	PA6 GF30
HOUSING OPTION A	BLACK	PA6 GF30
DESCRIPTION	COLOR	MATERIAL
BOM/APPLICABLE COMPONENTS TABLE		

ABREVIATION	COMPONENT
A	HOUSING OPTION A
B	HOUSING OPTION B
C	HOUSING OPTION C
D	HOUSING OPTION D
E	HOUSING OPTION E
F	HOUSING OPTION F
G	HOUSING OPTION G
R3	RING SEAL TEMP. CLASS 3
R4	RING SEAL TEMP. CLASS 4
TPA	INSERT, TPA
CPA	CPA
1	150-S-002-1-Z01 USCAR INTERFACE
2	MOLEX INTERFACE SEE SHEET 7
3	SD-34675-001 MOLEX INLINE MALE CONNECTOR

ENTER DESCRIPTION EC NO: UAU2018-0556 DRAWN BY: [blank] CHKD: [blank] APPR: WOSH 2014/04/24 2014/04/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE				
	▽=0	4 PLACES ±	±	KCUNNINGHAM	2011/11/08	CONNECTOR ASSEMBLY 2-WAY FUEL 15MM FEMALE FUEL INJECTOR CONNECTOR molex				
	▽=0	3 PLACES ±	±	CHECKED BY	DATE					
	▽=0	2 PLACES ±	±	0.10	±				MVANSLAMBOU	1/26/2012
	▽=0	1 PLACE ±	±	0.3	±				APPROVED BY	DATE
		0 PLACE ±	±			MATERIAL NO.		DOCUMENT NO.		
		ANGULAR ± 3°		SEE BOM		SD-34062-002		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				6 OF 7		

Figure 1 shows two dimensional drawings of the connector. The left drawing is a front view showing three circular features labeled CD 1, CD 2, and CD 3. CD 1 has a diameter of 13.90 MIN. CD 2 has a diameter of 11.80 MIN. CD 3 has a diameter of 15.65 MIN. The right drawing is a side view showing two circular features labeled CD 4 and CD 5, both with a diameter of 11.00 MIN. Both views indicate DATUM A and DATUM B.

A technical line drawing of a U-shaped metal bracket. The bracket has a semi-circular cutout in the center of its U-shape. It features a flat base and two vertical side walls. The drawing is shown from an isometric perspective, highlighting the three-dimensional structure.

Technical drawing of a mechanical part with dimensions and feature callouts:

- ICD 12 R (4.00)**: Dimension for the radius of the top fillet.
- ICD 11**: Dimension for the fillet radius, specified as 0.65 ± 0.15 ALL AROUND.
- ICD 10**: Dimension for the fillet radius, specified as 2.20 AT TANGENT.

Technical drawing of a mechanical part showing a cross-section. The drawing includes the following features:

- Top Left Dimension:** A circular feature with diameter $\varnothing 19$, followed by "2X" and a linear dimension of $3,40 \pm 0,15$.
- Right Side Dimensions:** A vertical dimension of $R0,5 \text{ MAX}$ at the top right corner, and a larger vertical dimension of 150 labeled "ALL AROUND".
- Bottom Right Feature:** A small square feature labeled "D".
- Surface Requirement:** A note at the bottom left states "SURFACE MUST BE FREE".
- Tolerance Callouts:** Two circular callouts containing the text "CD 16" are present: one near the top right corner and another near the bottom right corner.

[illegible][illegible]

(120)
 $\Phi(0.30) \pm 0.01$ (CD 37)
 REFER TO EWCAP DWG. NO. EWCAP-001
 150-T001
 15 TERMINAL BLADE CONFIGURATION

CONSTRUCTION BELOW THIS SURFACE
 IS NOT CONTROLLED BY EWCAP. NO PLASTIC
 FEATURES MAY EXTEND ABOVE THIS SURFACE

SECTION X-X

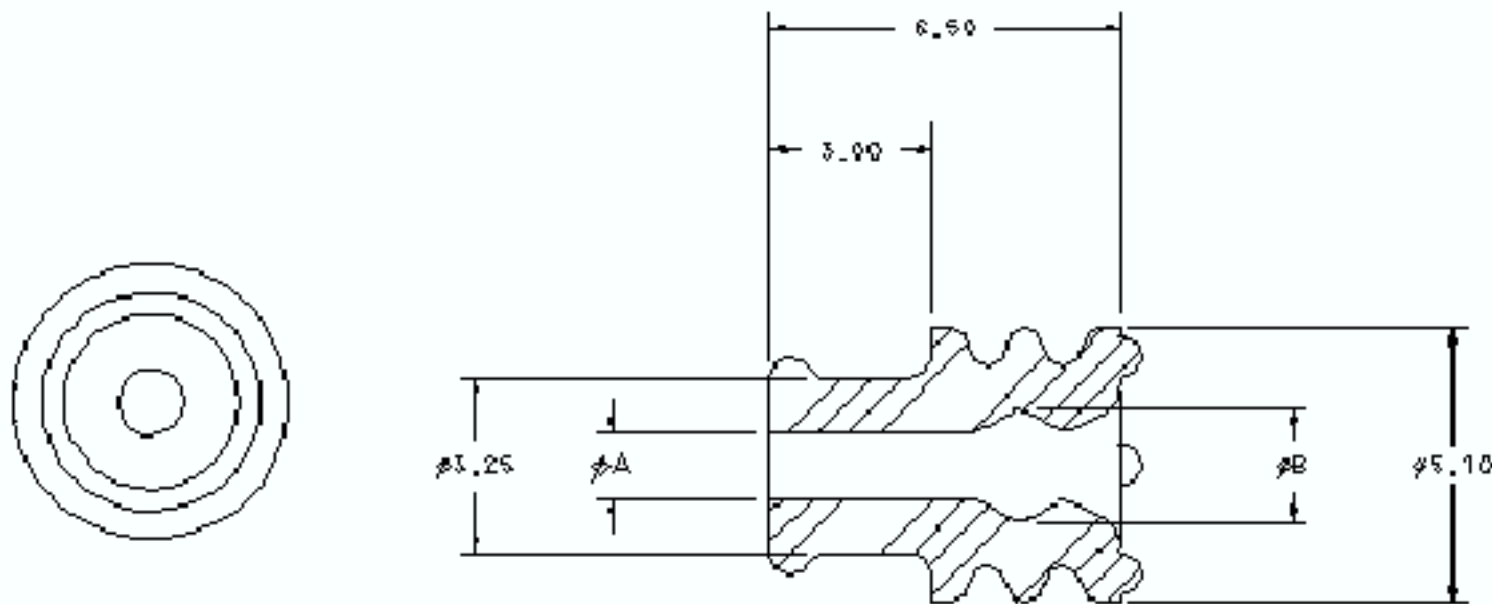
E	BLACK	E
F	GRAY	D
G	BLACK	C
OPTION	COLOR	SIMILAR TO AFL DRAWING R6341 (OPTION GEOMETRY IDENTICAL)

1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
3. 0.25 RADII ON ALL CORNERS SHOWN SHARP.
4. UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED.
5. STANDARD COLORS FOR POLARIZATION (SEE CHART).
DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
6. REFER TO SAE/USCAR 12 CONNECTOR GUIDELINES
FOR ADDITIONAL REQUIREMENTS.
7. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE
WITHIN TOLERANCE.
8.  SYMBOL INDICATES DRAFT DIRECTION.
9. FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS
AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS
DRAWING SEE EWCAP DWG. NO. EWCAP-001
10. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED
TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION
FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL
SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER
PINS. REFER TO SAE/USCAR-12 CONNECTOR DESIGN
GUIDE LINES FOR ADDITIONAL INFORMATION.
11. REFER TO SAE/USCAR PART LIST AS FOUND ON WEBSITE
<http://www.uscarteams.org>
12. THIS IS A 100% CAD GENERATED PART. THE CAT MATHEMATICAL DATA
IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION
NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.

[illegible]



SCALE 3:1



SECTION A--A

- 1) CRITICAL DIMENSION
2) UNLESS OTHERWISE NOTED, TOLERANCE, FINISH AND FLASH TO CONFORM TO FIG. A2-F2-T 0.4.
3) SPECIFICATION: ASTM D2000 MICHIGAN AIR ESP. EN 16 511 21 - 25
21- HARDNESS, SHORE-J, 125S
22- MOODING AT MAX. ELONGATION, DIE-C, 25 TO 100 PSI
23- HEAT RESISTANCE, ASTM D573, TO BE PERFORMED FOR 168H AT 150°C
24- COMPRESSION SET, ASTM D573, METHOD-B, 20% AT 180°C, 16% MAX.
25- FLUID RESISTANCE, ASTM D471, 168H AT 27°C, 100% METHANOL
HARDNESS CHANGE : 0 TO -12 POINTS MAX.
TENSILE STRENGTH CHANGE : -50% MAX.
ELONGATION CHANGE : -50% MAX.
VOLUME CHANGE : 0 TO +15% MAX.

DATE	REV	RELEASED	JAS
DATE	REV	REVISION PROSP	DRAWN
QUALITY SYNTHETIC RUBBER, INC.			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		OPTIONAL WHEN REQ.	
DECIMALS	ANGLES	APPROVALS	DATE
1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1	1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1	J. SALAMON	5/13/02
DO NOT SCALE DRAWING		TOLERANCE	
COMPANY A4011+		TOLERANCE	
CAGE CODE		TOLERANCE	
PART NO. (FILL IN)		TOLERANCE	
NAME CABLE SEAL (1.5 TERMINAL SYSTEM)			
PART NUMBER E-1644-##			
MATERIAL SILICONE RUBBER - SEE NOTE 3			
MOLD NUMBER SEE TABLE			
SCALE	SIZE	DRAWING NUMBER	SHEET
10:1	A2	A-0055	1 OF 1

THIS DRAWING AND/OR ELECTRONIC FILE, AND THE DESIGN HEREON, CONSTITUTES A PROPRIETARY DESIGN OF QUALITY SYNTHETIC RUBBER, INC. AND IS NOT TO BE DUPLICATED OR REPRODUCED

E-1644-02	7157-3337-70	1.65	2.40	YELLOW	2.18 - 2.70	2197
E-1644-01	7157-3379-50	0.90	1.65	PINK	1.19 - 1.70	2071
E-1644-00	7157-3338-60	1.25	2.10	GREEN	1.60 - 2.10	1934, 2612, 2666, 2846
QSR PART #	YASAKI PART #	*A*	*B*	COLOR	FOR CABLE O.D.	QSR MOLD #

34753-0003	E-1644-02
34753-0002	E-1644-01
34753-0001	E-1644-00
MOLEX P/N	QSR P/N

ENTER DESCRIPTION EC NO: DRWN: DGRIFITHS 2008/07/31 CHKD: MVANSLAMBROU APPR:	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY DGRIFITHS	DATE 07-31-08	CABLE SEAL (1.5 TERMINAL SYSTEM) CHARTED			
			4 PLACES ± ---	± ---	CHECKED BY MVANSLAMBROU	DATE 07-31-08				
			3 PLACES ± ---	± ---	APPROVED BY KOSHY	DATE 07-31-08	MOLEX INCORPORATED			
2 PLACES ± 0.10	± ---	ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-34753-001		SHEET NO. 1 OF 1		
1 PLACE ± 0.2	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				