

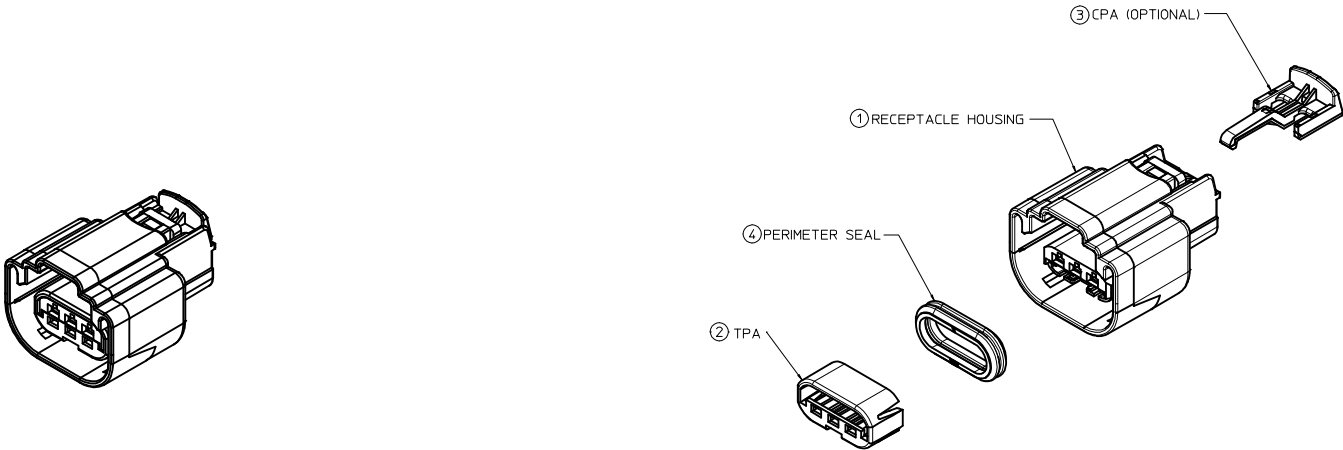
TABLE OF CONTENTS	
SHEET NO.	MATERIAL NUMBER
1	NOTES AND BOM
2	KEY CONFIGURATIONS
3	RECEPTACLE CONNECTOR ASSEMBLY

22	34083-2003	RIGHT	TN	22	E-1644-01	119-165	PINK
22	34083-3003	LEFT	TN	22			
22	34081-2005	RIGHT	GOLD	22			
22	34081-3005	LEFT	GOLD	22	E-1644-01	160-210	GREEN
20	34083-2002	RIGHT	TN	18/20			
20	34083-3002	LEFT	TN	18/20			
20	34081-2004	RIGHT	GOLD	18/20			
20	34081-3004	LEFT	GOLD	18/20			
18	34083-2002	RIGHT	TN	18/20			
18	34083-3002	LEFT	TN	18/20	E-1644-02	210-250	YELLOW
18	34081-2004	RIGHT	GOLD	18/20			
18	34081-3004	LEFT	GOLD	18/20			
16	34083-2001	RIGHT	TN	16			
16	34083-3001	LEFT	TN	16			
16	34081-2003	RIGHT	GOLD	16			
16	34081-3003	LEFT	GOLD	16	QSR P/N	WIRE OD RANGE	COLOR
AWG	PART NUMBER	PAYOFF DIRECTION	PLATING	GRIP			
WIRE SIZE	TERMINAL *PREFERRED* (SEE NOTE 5 FOR OPTIONAL TERMINALS)				CABLE SEAL (QSR)		

UNLESS OTHERWISE SPECIFIED:

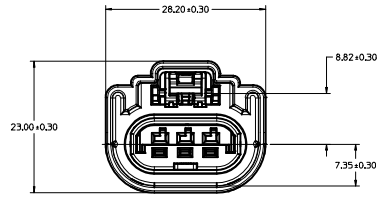
- PART CONFORMS TO SAE/USCAR-2 REV. 4 (05/04), EXCEPT AS FOLLOWS:
- DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN USCAR/EWCAP DRAWING NO 150-S-003-1-Z02, ALL OPTION A-D, REV A, DATED 10/19/99. ALSO WITH THE DEVICE CONNECTION AS SPECIFIED IN USCAR/EWCAP DRAWING NO 150-S-003-1-Z01, ALL OPTION A-D, REV D, DATED 10/15/02.
- ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK POSITION (SEE SECTION A-A PRELOCK). UPON FULL TERMINAL ASSEMBLY, TPA MUST BE SNAPPED INTO ITS FINAL LOCK POSITION AFTER TERMINALS ARE ASSEMBLED.
- OPTIONAL CPA SHOWN IN ALL VIEWS. SEE TABLE FOR SPECIFIC ASSEMBLY OPTION AND NUMBER.
- FOR PREFERRED TERMINALS SEE MOLEX DRAWING SD-34083-002 FOR OPTIONAL TERMINALS SEE MOLEX DRAWING SD-34083-001

OPTIONAL LATCH	160073319	B	BLACK	YES	150-S-003-1-B01	N/A	SALEABLE	N/A
	160073319	D	BLACK	NONE	N/A	150-S-003-1-D02	SALEABLE	N/A
	160073319	B	BLACK		150-S-003-1-B01	N/A	SALEABLE	N/A
	160073316	D	ST GREY		N/A	150-S-003-1-D02	SALEABLE	N/A
	160073315	C	OK GREY	YES	N/A	150-S-003-1-C02	SALEABLE	N/A
	160073314	B	LT GREY		N/A	150-S-003-1-B02	SALEABLE	N/A
	160073315	A	BLACK		N/A	150-S-003-1-A02	SALEABLE	N/A
	160073312	D	ST GREY		N/A	150-S-003-1-D02	SALEABLE	N/A
	160073311	C	OK GREY	NONE	N/A	150-S-003-1-C02	SALEABLE	N/A
	160073310	B	LT GREY		N/A	150-S-003-1-B02	SALEABLE	N/A
	160073309	A	BLACK		N/A	150-S-003-1-A02	SALEABLE	N/A
	160073308	D	ST GREY		150-S-003-1-D01	N/A	SALEABLE	N/A
	160073307	C	OK GREY	YES	150-S-003-1-C01	N/A	SALEABLE	N/A
	160073306	B	LT GREY		150-S-003-1-B01	N/A	SALEABLE	N/A
	160073305	A	BLACK		150-S-003-1-A01	N/A	SALEABLE	N/A
	160073304	D	ST GREY	NONE	150-S-003-1-D01	N/A	SALEABLE	N/A
	160073303	C	OK GREY		150-S-003-1-C01	N/A	SALEABLE	N/A
	160073302	B	LT GREY		150-S-003-1-B01	N/A	SALEABLE	N/A
	160073301	A	BLACK		150-S-003-1-A01	N/A	SALEABLE	N/A
	342503068	D	BLACK		N/A	150-S-003-1-D02	OBsolete	SEE 160073312 OR 160073318
	342503052	D	GREY		N/A	150-S-003-1-D02	OBsolete	SEE 160073312
	342503051	C	BROWN	NONE	N/A	150-S-003-1-C02	OBsolete	SEE 160073311
	342503048	B	GREY		150-S-003-1-B01	N/A	OBsolete	SEE 160073302
	342503047	A	BLACK		150-S-003-1-A01	N/A	OBsolete	SEE 160073301
	342503066	B	BLACK		N/A	150-S-003-1-B01	OBsolete	SEE 160073302
	342503061	C	GREY		N/A	150-S-003-1-C01	OBsolete	SEE 160073307
	342503057	D	BLACK		N/A	150-S-003-1-D02	OBsolete	SEE 160073316
	342503056	D	GREY	YES	N/A	150-S-003-1-D02	OBsolete	SEE 160073316
	342503055	B	BROWN		N/A	150-S-003-1-B02	OBsolete	SEE 160073315
	342503052	B	GREY		150-S-003-1-B01	N/A	OBsolete	SEE 160073306
	342503001	A	BLACK		150-S-003-1-A01	N/A	OBsolete	SEE 160073305
	342503005	D	BLACK		150-S-003-1-D01	N/A	OBsolete	SEE 160073306 OR 160073318
	342500052	D	GREY		N/A	150-S-003-1-D02	OBsolete	SEE 160073312
STANDARD	342500051	C	BROWN	NONE	N/A	150-S-003-1-C02	OBsolete	SEE 160073311
	342500049	A	GREY		N/A	150-S-003-1-A02	OBsolete	SEE 160073310
	342500049	A	BLACK		N/A	150-S-003-1-A02	OBsolete	SEE 160073309
STANDARD	342500036	D	GREY		N/A	150-S-003-1-D02	OBsolete	SEE 160073302
	342500035	B	BROWN		N/A	150-S-003-1-B02	OBsolete	SEE 160073315
	342500034	A	GREY	YES	N/A	150-S-003-1-B02	OBsolete	SEE 160073314
STANDARD	342500033	A	BLACK		N/A	150-S-003-1-A02	OBsolete	SEE 160073313
	342500030	D	GREEN		150-S-003-1-D01		OBsolete	SEE 160073304
	342500029	D	BROWN	NONE	150-S-003-1-D01		OBsolete	SEE 160073303
STANDARD	342500018	B	GREY		150-S-003-1-B01		OBsolete	SEE 160073302
	342500017	A	BLACK		150-S-003-1-A01		OBsolete	SEE 160073301
	342500024	A	GREEN		150-S-003-1-D01		OBsolete	SEE 160073308
STANDARD	342500003	C	BROWN	YES	150-S-003-1-C01		OBsolete	SEE 160073307
	342500002	B	GREY		150-S-003-1-B01		OBsolete	SEE 160073306
	342500001	A	BLACK		150-S-003-1-A01		OBsolete	SEE 160073305
LATCH STYLE	ASSEMBLY P/N	KEY OPTION	HSG COLOR	CPA	MATES W/ USCAR DUAL KEY	MATES W/ USCAR SINGLE KEY	STATUS	COMMENTS

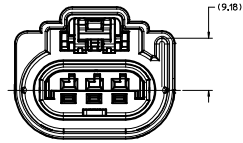


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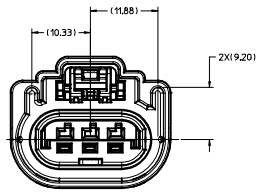
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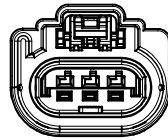
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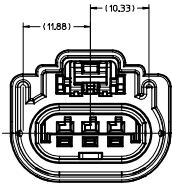
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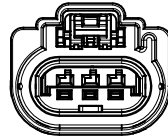
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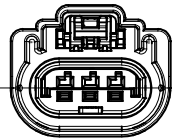
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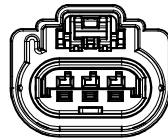
DUAL KEY OPTION "C"



SINGLE KEY OPTION "C"



DUAL KEY OPTION "D"

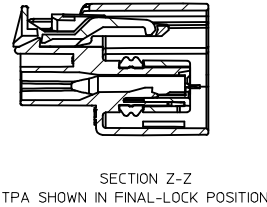
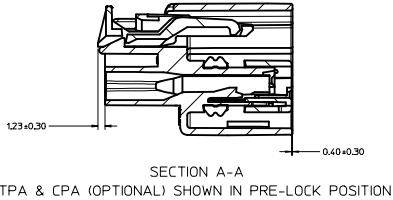
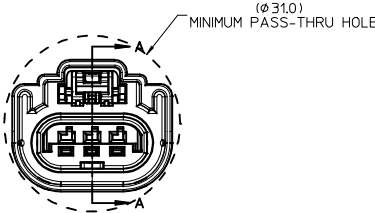
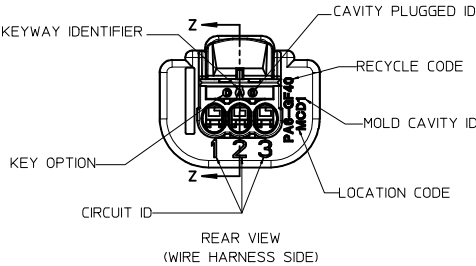
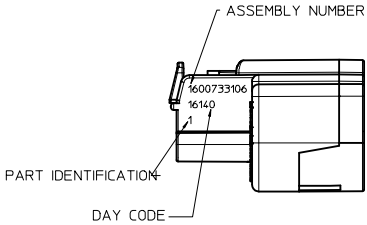


SINGLE KEY OPTION "D"

ENTER DESCRIPTION REC NO: UAU2015-1698 DRAWN BY: Q CHECKED BY: Q APPROVED BY: Q DATE: 2016/07/20 APP: QDEKOSK1 REV: 2017/02/08	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 L.P.LIM 2003/09/03 CHECKED BY DATE APPROVED BY DATE KDEKOSK1 2017/02/08 MATERIAL NO. SEE CHART	SCALE 3:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	RECEPTACLE ASSEMBLY 3-WAY USCAR CONNECTOR 15MM CABLE SEAL molex DOCUMENT NO. SD-160073-001 SHEET NO. 2 OF 3	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

SHEET DESCRIPTION
RECEPTACLE CONNECOTR ASSEMBLY

ASSEMBLY MATERIALS				
ITEM	DESCRIPTION	COLOR	MOLEX P/N	RECYCLE CODE
1	RECEPTACLE HOUSING	SEE CHART	SEE CHART	PA6 GF40 (FOR 160073 SERIES)
2	TPA	NATURAL	342520001	PBT-GF30
3	CPA	RED	340660001	PBT-GF30
4	PERIMETER SEAL	BLUE	342530001	SILICON 50 DUROMETER
		BLUE	342530002	SILICON 50 DUROMETER



ENTER DESCRIPTION
EC NO: UAU2015-1698
DRAWN BY: Q
DATE: 2016/07/20
CHECKED BY: Q
DATE: 2016/07/20
APPROVED BY: Q
DATE: 2017/02/08

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mmINCH
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: L.P.LIM
DATE: 2003/09/03
CHECKED BY: DATE
APPROVED BY: KDEKOSKI
DATE: 2017/02/08

MATERIAL NO.
DOCUMENT NO.
SHEET NO.
3 OF 3

SCALE
3:1

DESIGN UNITS
METRIC

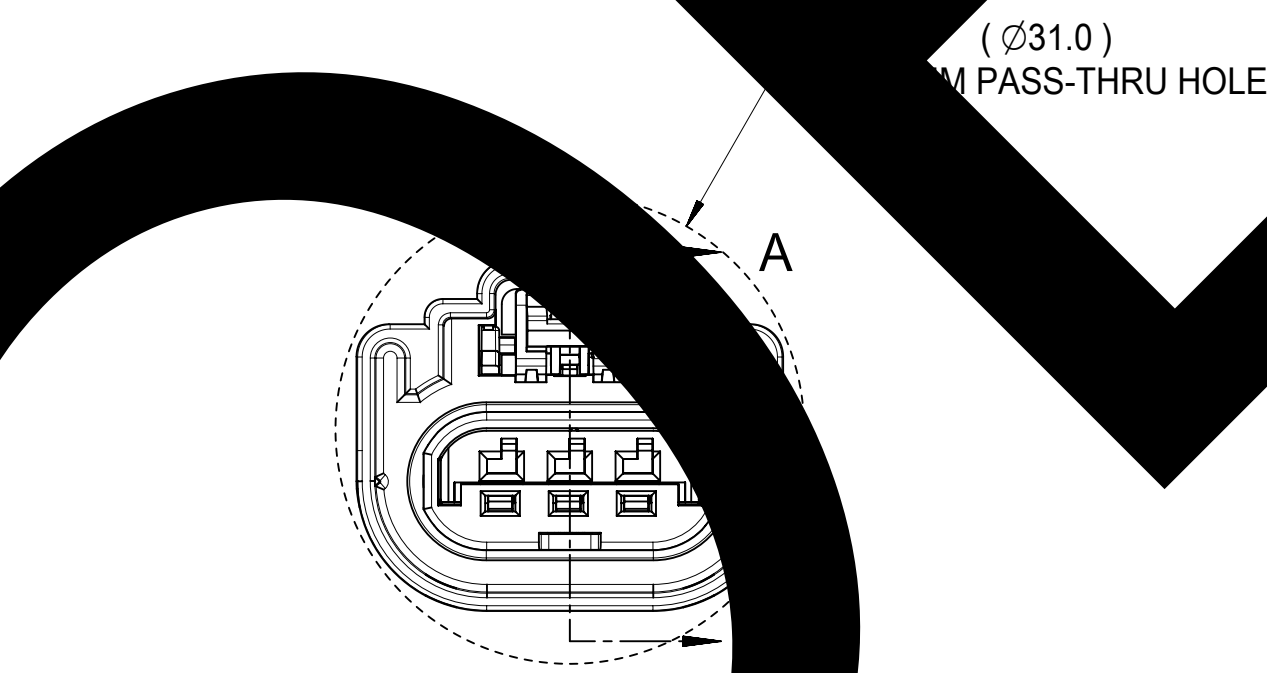
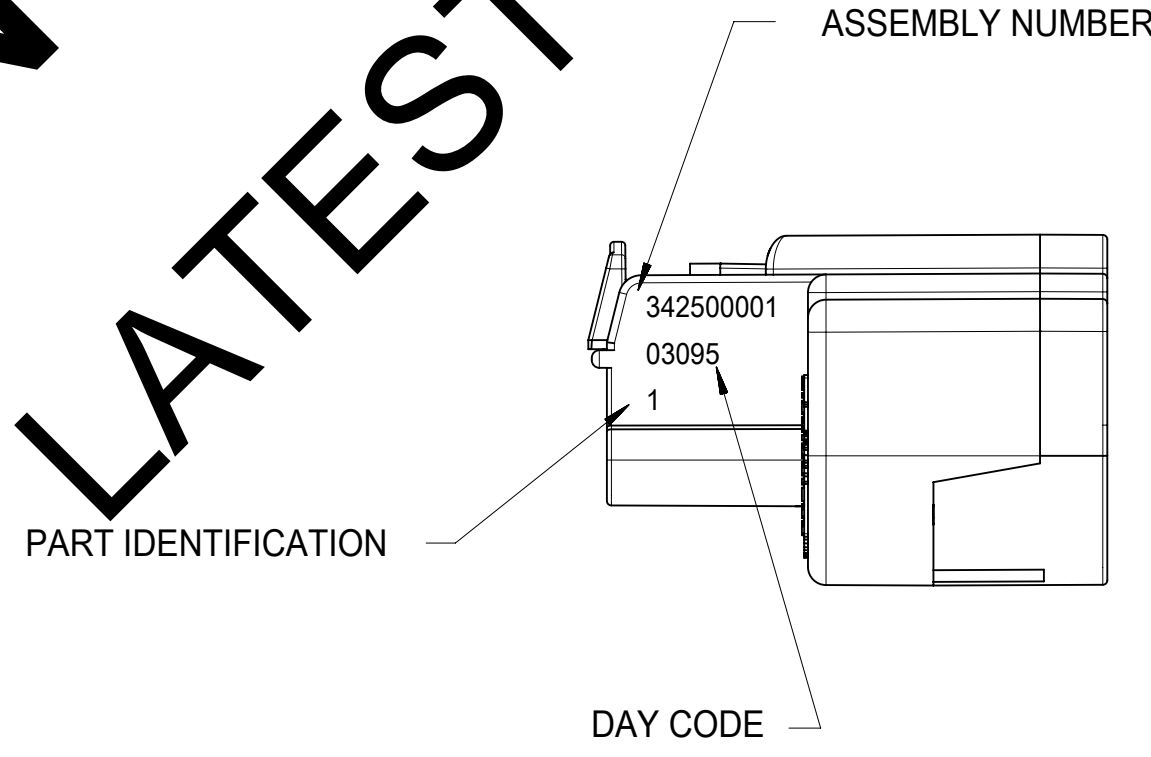
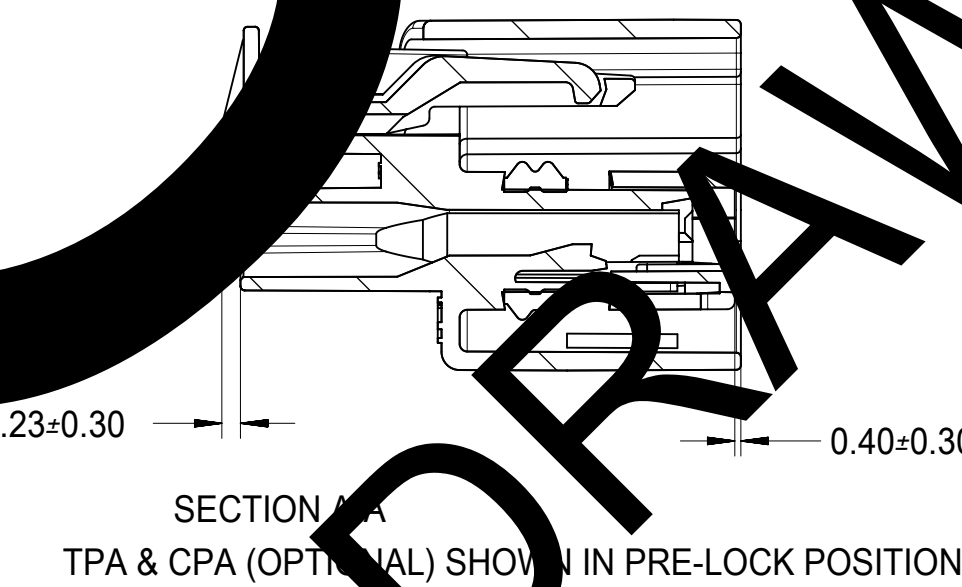
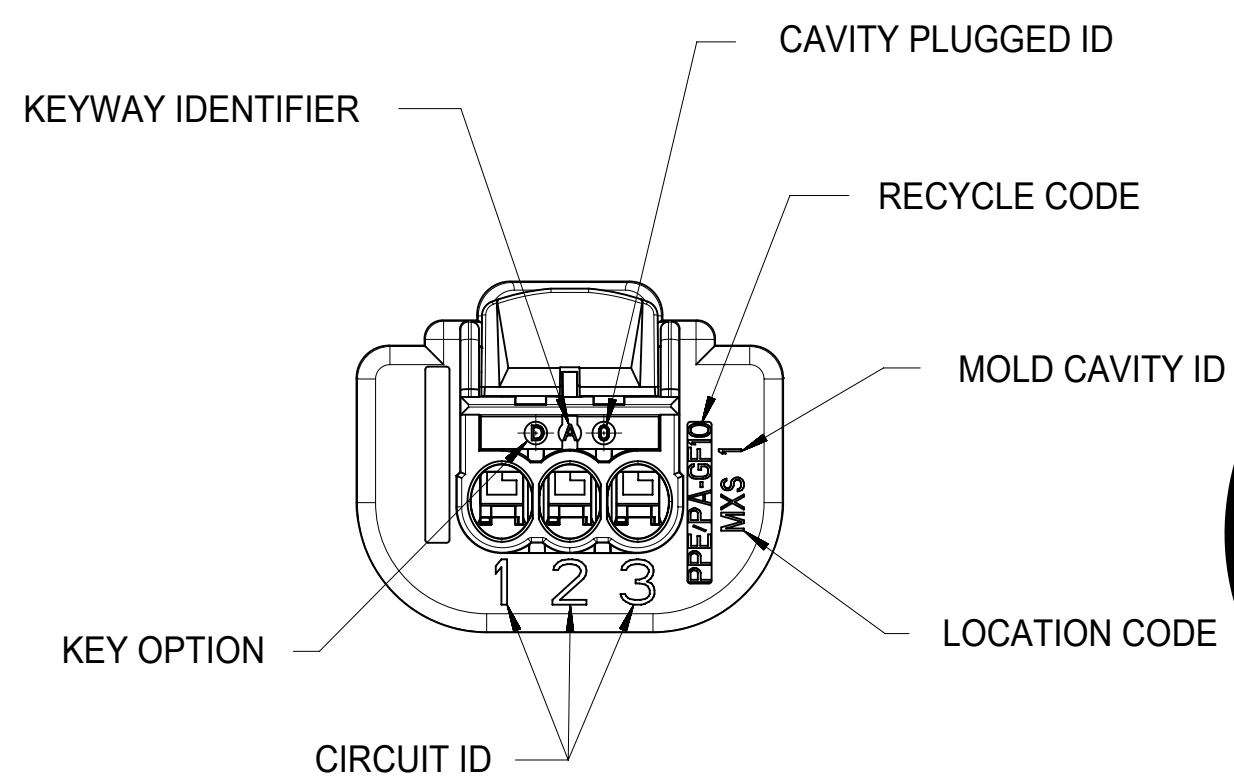
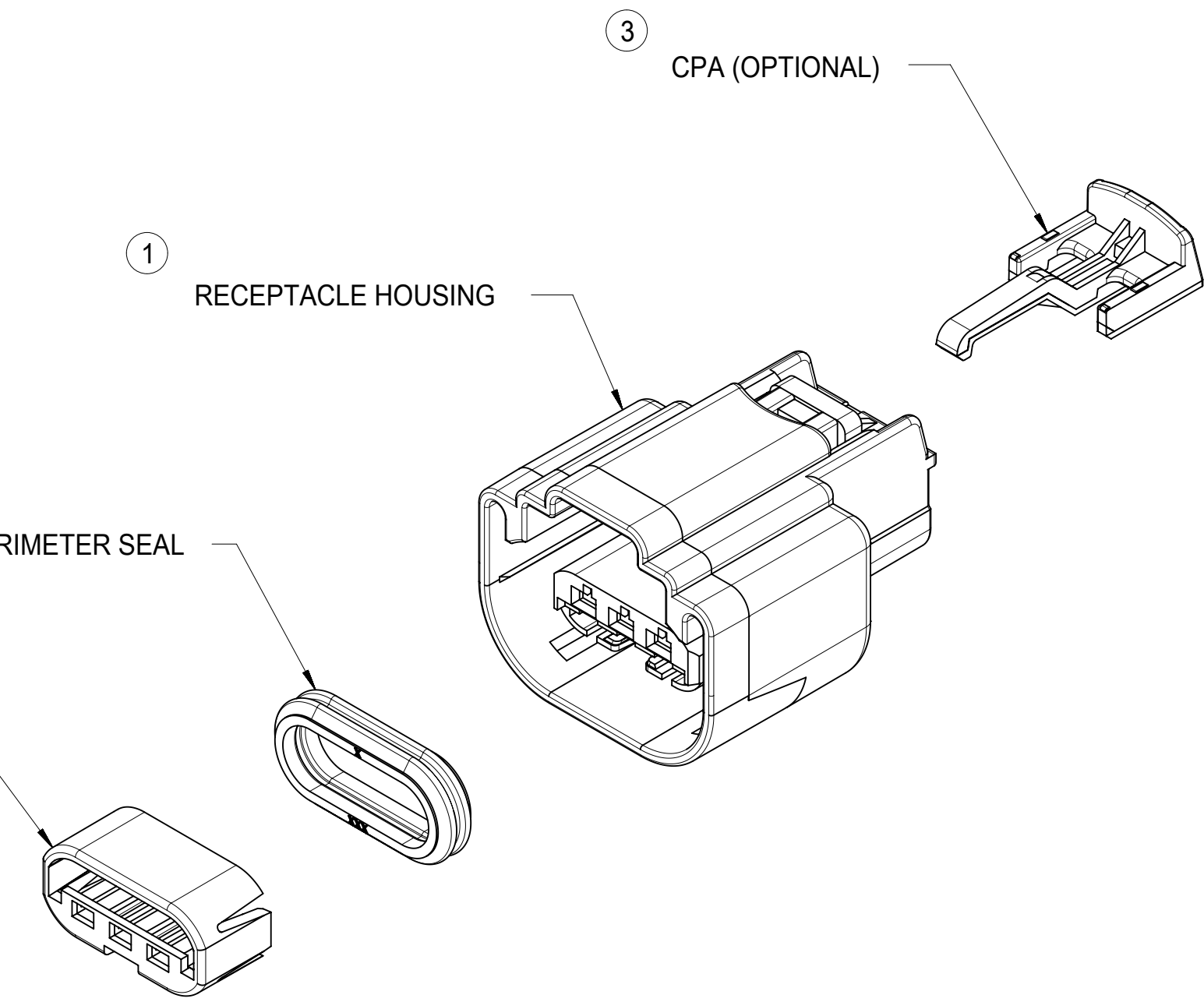
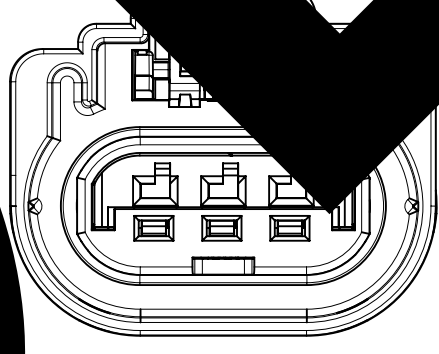
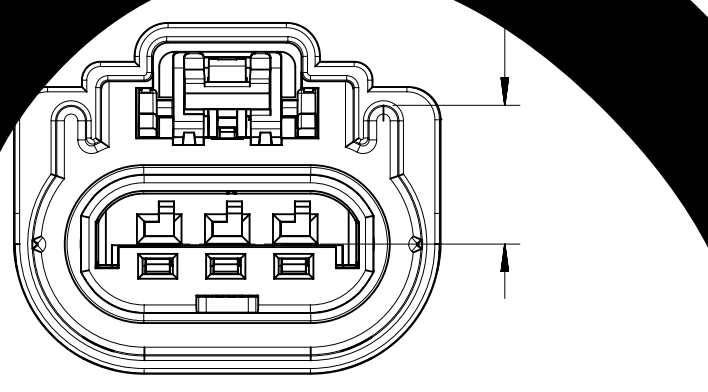
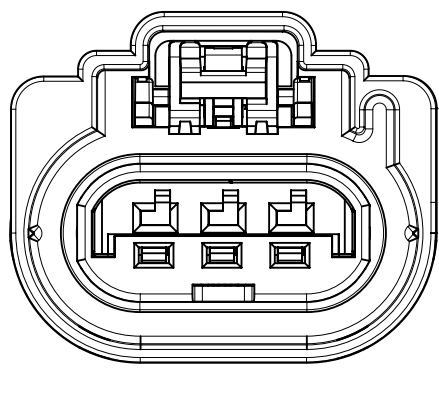
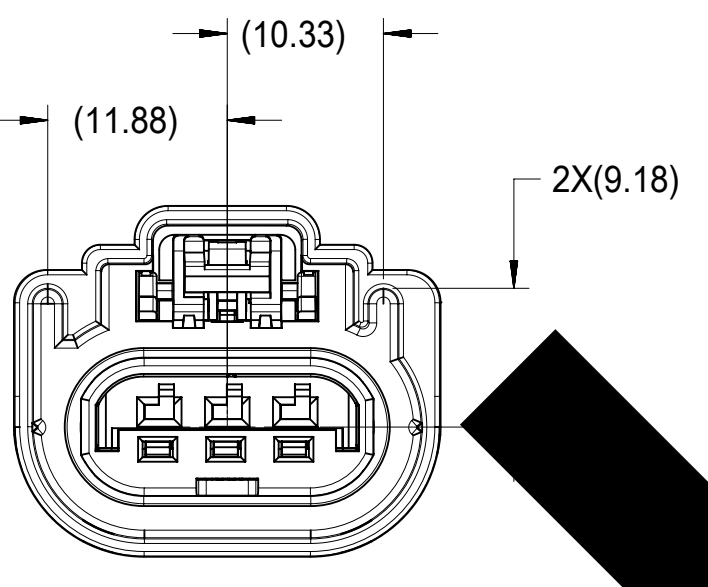
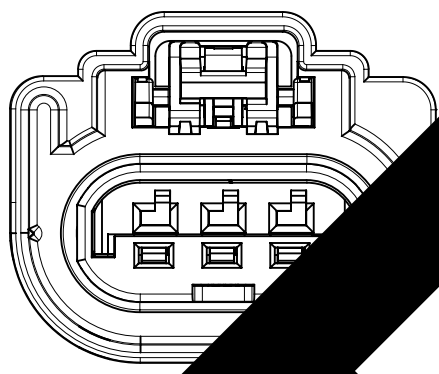
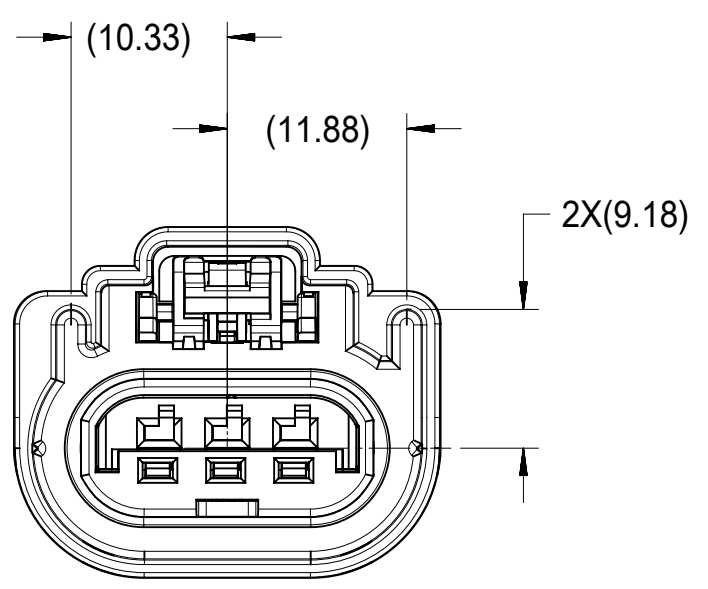
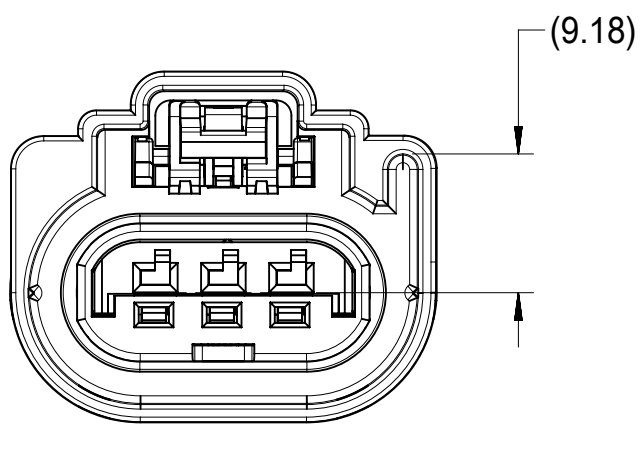
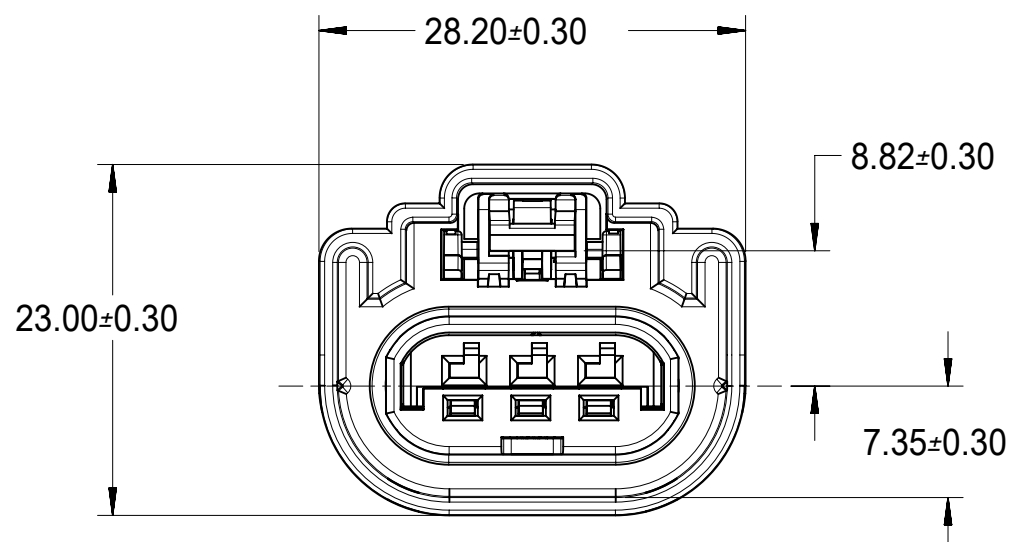
THIRD ANGLE PROJECTION

RECEPTACLE ASSEMBLY
3-WAY USCAR CONNECTOR
15MM CABLE SEAL
molex
SD-160073-001

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Id: Itrane_E.P_AM.T
Rev. G 2012/01/11

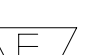
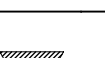
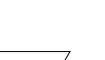
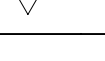
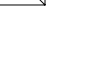
22	34083-2003	RIGHT	TIN	22	E-1644-01	1.19-1.65	PINK
22	34083-3003	LEFT	TIN	22			
22	34081-2005	RIGHT	GOLD	22			
22	34081-3005	LEFT	GOLD	22			
20	34083-2002	RIGHT	TIN	18/20	E-1644-00	1.60-2.10	GREEN
20	34083-3002	LEFT	TIN	18/20			
20	34081-2004	RIGHT	GOLD	18/20			
20	34081-3004	LEFT	GOLD	18/20			
18	34083-2002	RIGHT	TIN	18/20	E-1644-02	2.10-2.50	YELLOW
18	34083-3002	LEFT	TIN	18/20			
18	34081-2004	RIGHT	GOLD	18/20			
18	34081-3004	LEFT	GOLD	18/20			
16	34083-2001	RIGHT	TIN	16	E-1644-02	2.10-2.50	YELLOW
16	34083-3001	LEFT	TIN	16			
16	34081-2003	RIGHT	GOLD	16			
16	34081-3003	LEFT	GOLD	16			
AWG					QSR P/N	WIRE OD RANGE	COLOR
WIRE SIZE		PART NUMBER	PAYOFF DIRECTION	PLATING	GRIP	CABLE SEAL	
TERMINAL "PREFERRED" (SEE NOTE 5 FOR OPTIONAL TERMINALS)							(QSR)



ASSEMBLY				
ITEM	DESCRIPTION	COLOR	MOLEX P/N	RECYCLE CODE
1	RECEPTACLE HOUSING	SEE CHART	SEE CHART	PPE/PA GF10 (FOR 34250 SERIES) PA6 GF40 (FOR 160073 SERIES)
2	TPA	NATURAL	342520001	PBT-GF30
3	CPA	RED	340660001	PBT-GF30
4	PERIMETER SEAL	BLUE	342530001	SILICON 50 DUROMETER
		BLUE	342530002	SILICON 50 DUROMETER

OPTIONAL LATCH	1600733119	B	BLACK	YES	150-S-003-1-B01	N/A	SALEABLE
	1600733118	D	BLACK	NONE	N/A	150-S-003-1-D02	SALEABLE
	1600733117	B	BLACK	NONE	150-S-003-1-B01	N/A	SALEABLE
	1600733116	D	BLACK	NONE	N/A	150-S-003-1-D02	SALEABLE
STANDARD	1600733115	C	BROWN	YES	N/A	150-S-003-1-C02	SALEABLE
	1600733114	C	BROWN	YES	N/A	150-S-003-1-B02	SALEABLE
	1600733113	C	BROWN	YES	N/A	150-S-003-1-A02	SALEABLE
	1600733112	C	BROWN	YES	N/A	150-S-003-1-D02	SALEABLE
STANDARD	1600733111	B	BLACK	NONE	N/A	150-S-003-1-B01	SALEABLE
	1600733110	B	BLACK	NONE	N/A	150-S-003-1-D01	SALEABLE
	1600733109	B	BLACK	NONE	N/A	150-S-003-1-A02	SALEABLE
	1600733108	B	BLACK	NONE	N/A	150-S-003-1-D01	SALEABLE
STANDARD	1600733107	C	BROWN	YES	N/A	150-S-003-1-C01	SALEABLE
	1600733106	C	BROWN	YES	N/A	150-S-003-1-B01	SALEABLE
	1600733105	C	BROWN	YES	N/A	150-S-003-1-A01	SALEABLE
	1600733104	C	BROWN	YES	N/A	150-S-003-1-D01	SALEABLE
STANDARD	1600733103	C	BROWN	NONE	150-S-003-1-C01	N/A	SALEABLE
	1600733102	C	BROWN	NONE	150-S-003-1-B01	N/A	SALEABLE
	1600733101	C	BROWN	NONE	150-S-003-1-A01	N/A	SALEABLE
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STANDARD	342503068	D	BLACK	NONE	N/A	150-S-003-1-D02	SALEABLE
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	342503037	D	BLACK	NONE	150-S-003-1-D01	N/A	SALEABLE
STANDARD	342503036	D	BLACK	NONE	150-S-003-1-D01	N/A	SALEABLE
	342503035	C	BROWN	NONE	150-S-003-1-C01	N/A	SALEABLE
	342503002	B	BLACK	NONE	150-S-003-1-B01	N/A	SALEABLE
	342503001	A	BLACK	NONE	150-S-003-1-A01	N/A	SALEABLE
STANDARD	342500051	C	BROWN	NONE	N/A	150-S-003-1-C02	SALEABLE
	342500050	B	BLACK	NONE	N/A	150-S-003-1-B02	SALEABLE
	342500049	A	BLACK	NONE	N/A	150-S-003-1-A02	SALEABLE
	342500048	D	BLACK	NONE	N/A	150-S-003-1-D02	SALEABLE
STANDARD	342500034	C	BROWN	YES	N/A	150-S-003-1-C02	SALEABLE
	342500033	B	BLACK	YES	N/A	150-S-003-1-B02	SALEABLE
	342500032	A	BLACK	YES	N/A	150-S-003-1-A02	SALEABLE
	342500031	D	BLACK	YES	N/A	150-S-003-1-D02	SALEABLE
STANDARD	342500019	C	BROWN	NONE	150-S-003-1-C01	N/A	SALEABLE
	342500018	B	BLACK	NONE	150-S-003-1-B01	N/A	SALEABLE
	342500017	A	BLACK	NONE	150-S-003-1-A01	N/A	SALEABLE
	342500004	D	BLACK	NONE	150-S-003-1-D01	N/A	SALEABLE
STANDARD	342500003	C	BROWN	YES	150-S-003-1-C01	N/A	SALEABLE
	342500002	B	BLACK	YES	150-S-003-1-B01	N/A	SALEABLE
	342500001	A	BLACK	YES	150-S-003-1-A01	N/A	SALEABLE
	342500000	D	BLACK	YES	150-S-003-1-D01	N/A	SALEABLE
LATCH STYLE	ASSEMBLY P/N	KEY OPTION	HSG COLOR	CPA	MATES W/ USCAR DUAL KEY	MATES W/ USCAR SINGLE KEY	STATUS

- UNLESS OTHERWISE SPECIFIED:
- PART CONFORMS TO SAE/USCAR-2 REV. 4 (05/04), EXCEPT AS FOLLOWS:
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN USCAR/EWCAP DRAWING NO 150-S-003-1-Z02, ALL OPTION A-D, REV A, DATED 10/19/99. ALSO WITH THE DEVICE CONNECTION AS SPECIFIED IN USCAR/EWCAP DRAWING NO 150-S-003-1-Z01, ALL OPTION A-D, REV D, DATED 10/15/02.
 - ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK POSITION (SEE SECTION A-A PRELOCK). UPON FULL TERMINAL ASSEMBLY, TPA MUST BE SNAPPED INTO ITS FINAL LOCK POSITION AFTER TERMINALS ARE ASSEMBLED.
 - OPTIONAL CPA SHOWN IN ALL VIEWS. SEE TABLE FOR SPECIFIC ASSEMBLY OPTION AND NUMBER.
 - FOR PREFERRED TERMINALS SEE MOLEX DRAWING SD-34083-002 FOR OPTIONAL TERMINALS SEE MOLEX DRAWING SD-34083-001

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
 = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0	EC NO: 171258 DRWN: PXU25 CHKD: KBORUSZEWSKI APPR: KBORUSZEWSKI	2017/12/07 2018/01/25 2018/01/25	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	 RECEPTACLE ASSEMBLY 3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL																				
												ANGULAR TOL ± °	4 PLACES ±	3 PLACES ±	2 PLACES ±	1 PLACE ±	0 PLACES ±									
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						PRODUCT CUSTOMER DRAWING														
						P2	REV	E	THIRD ANGLE PROJECTION	DRAWING SIZE	CHK'D BY	DATE	APPR BY	CYMA	2016/05/24	CHKD BY	DATE	KBORUSZEWSKI	2018/01/25	SERIES	MATERIAL NUMBER	CUSTOMER	DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
																		34250	GENERAL MARKET		SD-34250-002	PSD	000	1 OF 1		