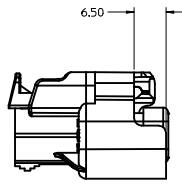
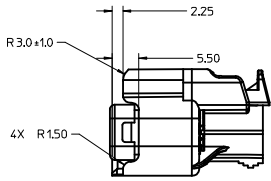


SHEET DESCRIPTION
CONFIGURATIONS

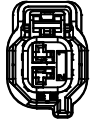
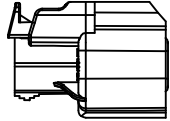


OPTION A

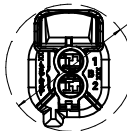
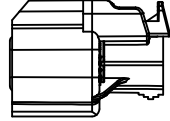


REAR VIEW

Ø23.40
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON CLIP-SLOT
OPTIONS A, C, D, & G

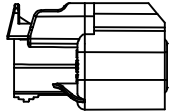


OPTION B

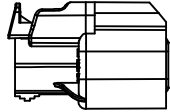
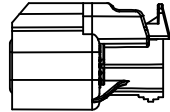


REAR VIEW

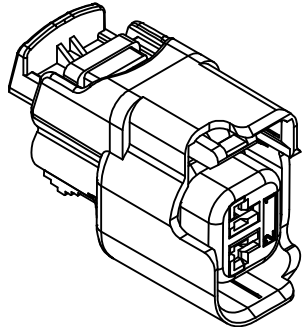
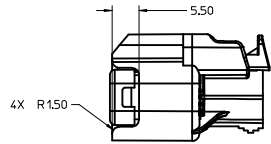
Ø26.00
MINIMUM PASS-THRU WITH
NO CLEARANCE
APPLIES TO NON CLIP-SLOT
OPTIONS B, E, & F



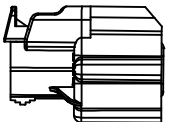
OPTION C



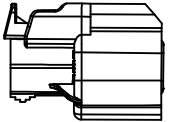
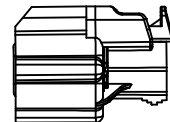
OPTION D



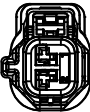
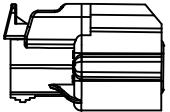
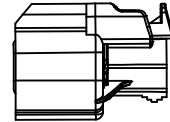
NON CLIP-SLOT OPTION
SCALE 4:1



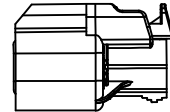
OPTION E



OPTION F

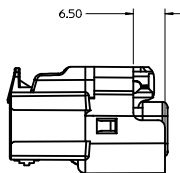


OPTION G

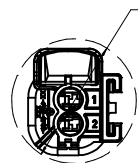
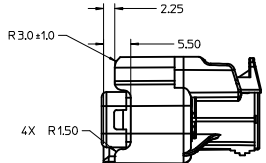


ENTER DESCRIPTION IEC NO. UAU2016-1241 DRAWN BY: BURUSZENSKI, 2016/02/19 CHKD: CHYD APPR: WOSHY 2016/02/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	2:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± 0.10 ± ---	KCUNNINGHAM 2011/11/08	MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)		
▽=0	2 PLACES ± 0.3 ± ---	CHECKED BY DATE	MATERIAL NO.			
	1 PLACE ± --- ± ---	MYANSLAMBROU 1/26/2012	SEE NOTE 2a.			
	0 PLACE ± --- ± ---	APPROVED BY DATE	DOCUMENT NO.			
	ANGULAR ± 3 °		SD-34062-002			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 2 OF 5			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

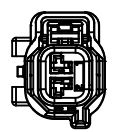
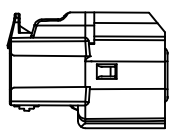
SHEET DESCRIPTION
CONFIGURATIONS



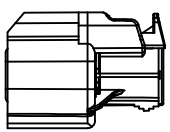
OPTION A W/CLIP-SLOT *



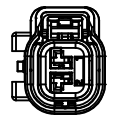
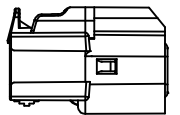
Ø25.50
MINIMUM PASS-THRU WITH NO CLEARANCE APPLIES TO CLIP-SLOT OPTIONS A, C AND D



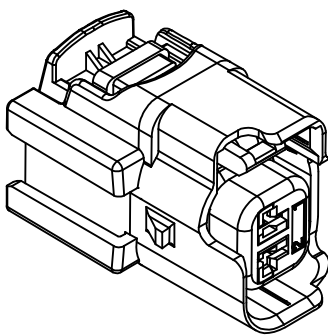
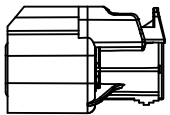
OPTION B W/CLIP-SLOT *



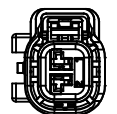
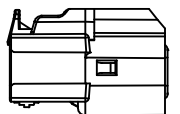
Ø26.00
MINIMUM PASS-THRU WITH NO CLEARANCE APPLIES TO CLIP-SLOT OPTION B



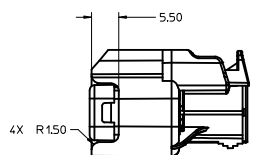
OPTION C W/CLIP-SLOT *



CLIP-SLOT OPTION
SCALE 4:1



OPTION D W/CLIP-SLOT *



*WITH CLIP-SLOT CONFIGURATIONS
DO NOT MEET THE USCAR PACKAGING FRAME REQUIREMENTS

ENTER DESCRIPTION LEC NO: UAU2016-1241 DRAWN: BURJESZSKI, 2016/02/19 CHKD: APPR: IKOSHY 2016/02/22 J18	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 ± ±	DIMENSION STYLE MM ONLY DRAWN BY DATE KCUNNINGHAM 2011/11/08 CHECKED BY DATE MVANSLAMBROU 1/26/2012 APPROVED BY DATE	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)	MATERIAL NO. SEE NOTE 2a.	DOCUMENT NO. SD-34062-002	SHEET NO. 3 OF 5		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

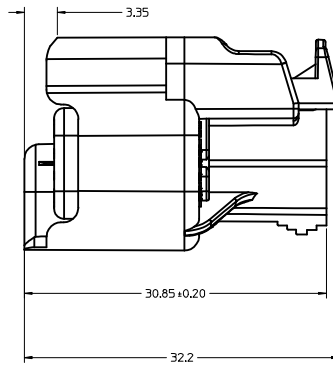
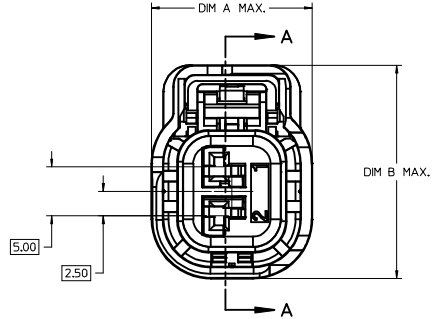
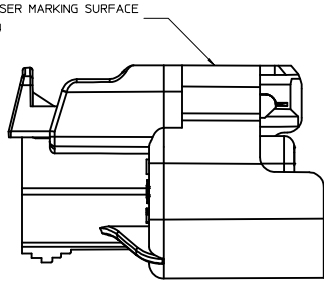
SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY

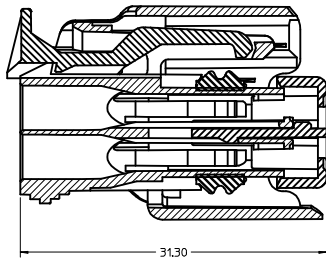
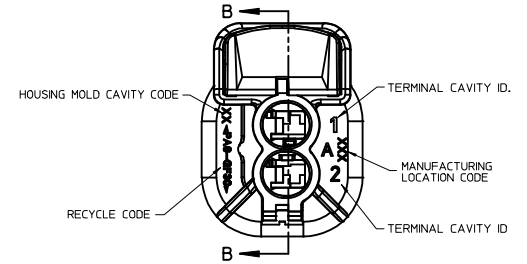
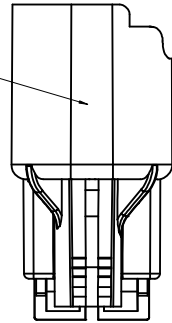
CHARTED DIMENSIONS

CONFIGURATIONS	DIMENSIONS	
	A	B
OPTIONS A, C, D	16.6	22.0
OPTION B	16.6	23.9
OPTION E	20.2	23.9
OPTION F	16.6	23.9
OPTION G	18.4	22.0
OPTIONS A, C, D W/CLIP-SLOT	19.2	22.0
OPTION B W/CLIP-SLOT	19.2	23.9

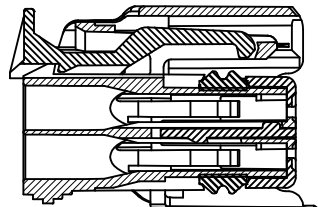
OPTIONAL LASER MARKING SURFACE
SEE NOTE 3g



OPTIONAL LASER MARKING SURFACE
SEE NOTE 3g



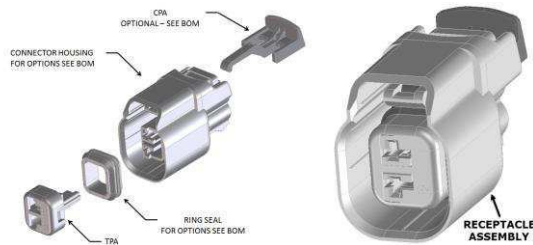
TPA SHOWN IN THE
PRE-STAGED POSITION
SECTION A-A



SECTION B-B
TPA SHOWN IN
FINAL-LOCK POSITION

ENTER DESCRIPTION IEC NO. UAU2016-1241 DRAWN/BORUSZENSKI, 2016/02/19 CHKD: APPR: WKOSHY 2016/02/22 REV J18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	DRAWN BY DATE KCUNNINGHAM 2011/11/08	TITLE MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH)		
	▽=0	3 PLACES ± 0.10 ± --- ± ---	CHECKED BY DATE MYANSLAMBROU 1/26/2012	MATERIAL NO. DOCUMENT NO. SEE NOTE 2a. SD-34062-002		
	▽=0	2 PLACES ± 0.3 ± --- ± ---	APPROVED BY DATE	SHEET NO. 4 OF 5		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

**MX150 2 WAY CABLE SEAL RECEPTACLE CONNECTION SYSTEM (5.0mm PITCH)
BOM AND PIN OUT SHEET**



RECOMMENDED MATING DEVICE TABLE			
ABBREVIATION	DESCRIPTION	DRAWING INFORMATION	ADDITIONAL INFORMATION
1	USCAR INTERFACE	150-S-002-1-201	http://ewcap.usc.arteam.sage
2	MOLEX INTERFACE	SD-34062-002 SHEET 5	
3	MOLEX INLINE MALE CONNECTOR	E-34675-001	

BOM/ APPLICABLE COMPONENTS TABLE			
ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK	HOUSING OPTION A	BLACK	PA6 GF30
B-LG	HOUSING OPTION B	LIGHT GRAY	PA6 GF30
C-BLK	HOUSING OPTION C	BLACK	PA6 GF30
D-BLK	HOUSING OPTION D	BLACK	PA6 GF30
D-LG	HOUSING OPTION D	LIGHT GRAY	PA6 GF30
E-BLK	HOUSING OPTION E	BLACK	PA6 GF30
F-LG	HOUSING OPTION F	LIGHT GRAY	PA6 GF30
G-BLK	HOUSING OPTION G	BLACK	PA6 GF30
A-BLK-CLIP	HOUSING OPTION A WITH CLIPSLOT	BLACK	PA6 GF30
B-LG-CLIP	HOUSING OPTION B WITH CLIPSLOT	LIGHT GRAY	PA6 GF30
C-BLK-CLIP	HOUSING OPTION C WITH CLIPSLOT	BLACK	PA6 GF30
D-BLK-CLIP	HOUSING OPTION D WITH CLIPSLOT	BLACK	PA6 GF30
D-LG-CLIP	HOUSING OPTION D WITH CLIPSLOT	LIGHT GRAY	PA6 GF30
C-BLK-SV	HOUSING OPTION C - SEVERE VIBRATION	BLACK	PA6 GF30
D-BLK-SV	HOUSING OPTION D - SEVERE VIBRATION	BLACK	PA6 GF30
R3	RING SEAL TEMP. CLASS 3	MEDIUM BLUE	INHERENTLY LUBRICATED SILICONE
R4	RING SEAL TEMP. CLASS 4	GREEN	INHERENTLY LUBRICATED SILICONE
CPA	CPA	RED	PBT GF30
TPA	INSERT, TPA	NATURAL	PBT GF30

FOR ADDITIONAL INFORMATION SEE SD-34062-002

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT				ASSEMBLY OPERATING TEMPERATURE	RECOMMENDED MATING DEVICE			PRODUCTION TOOL STATUS	COMMENTS
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.					1	2	3		
		HOUSING OPTION/COLOR	TPA	CPA	RING SEAL						
OPTION A, BLACK, W/O CPA	34062-0021	A-BLK	TPA		R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, W/O CPA	34062-0022	B-LG	TPA		R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/O CPA	34062-0023	C-BLK	TPA		R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, W/O CPA	34062-0024	D-BLK	TPA		R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, W/O CPA	34062-0029	D-LG	TPA		R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION A, BLACK, W/ CPA	34062-0025	A-BLK	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, W/ CPA	34062-0026	B-LG	TPA	CPA	R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/ CPA	34062-0027	C-BLK	TPA	CPA	R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, W/ CPA	34062-0028	D-BLK	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, W/ CPA	34062-0030	D-LG	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION A, BLACK, WITH CLIPSLOT, W/O CPA	34062-0031	A-BLK-CLIP	TPA		R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	34062-0032	B-LG-CLIP	TPA		R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/O CPA	34062-0033	C-BLK-CLIP	TPA		R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, WITH CLIPSLOT, W/O CPA	34062-0034	D-BLK-CLIP	TPA		R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION D, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	34062-0035	D-LG-CLIP	TPA		R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION A, BLACK, WITH CLIPSLOT, W/ CPA	34062-0036	A-BLK-CLIP	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/ CPA	34062-0037	B-LG-CLIP	TPA	CPA	R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/ CPA	34062-0038	C-BLK-CLIP	TPA	CPA	R3	-40°C TO 125°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, LIGHT GRAY, WITH CLIPSLOT, W/ CPA	34062-0040	D-LG-CLIP	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	
OPTION C, BLACK, SEVERE VIBRATION, W/ CPA	34062-4008	C-BLK-SV	TPA	CPA	R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, SEVERE VIBRATION, W/ CPA	34062-4009	D-BLK-SV	TPA	CPA	R4	-40°C TO 155°C	1	2		SALEABLE	
OPTION E, BLACK, W/O CPA	34062-0041	E-BLK	TPA		R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION F, LIGHT GRAY, W/O CPA	34062-0042	F-LG	TPA		R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION G, BLACK, W/O CPA	34062-0043	G-BLK	TPA		R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION E, BLACK, W/ CPA	34062-0044	E-BLK	TPA	CPA	R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION F, LIGHT GRAY, W/ CPA	34062-0045	F-LG	TPA	CPA	R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION G, BLACK, W/ CPA	34062-0046	G-BLK	TPA	CPA	R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION A, BLACK, W/ CPA	34062-0047	A-BLK	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, W/O CPA	34062-0048	B-LG	TPA		R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/O CPA	34062-0049	C-BLK	TPA		R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, W/ CPA	34062-0050	B-LG	TPA	CPA	R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, W/ CPA	34062-0051	C-BLK	TPA	CPA	R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	34062-0052	B-LG-CLIP	TPA		R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/O CPA	34062-0053	C-BLK-CLIP	TPA		R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION B, LIGHT GRAY, WITH CLIPSLOT, W/ CPA	34062-0054	B-LG-CLIP	TPA	CPA	R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, WITH CLIPSLOT, W/ CPA	34062-0055	C-BLK-CLIP	TPA	CPA	R4	-40°C TO 155°C	1	2	3	SALEABLE	PREFERRED, FULLY SHROUDED
OPTION C, BLACK, SEVERE VIBRATION, W/O CPA	34062-4003	C-BLK-SV	TPA		R4	-40°C TO 155°C	1	2		SALEABLE	PREFERRED, FULLY SHROUDED
OPTION D, BLACK, SEVERE VIBRATION, W/O CPA	34062-4004	D-BLK-SV	TPA		R4	-40°C TO 155°C	1	2		SALEABLE	
OPTION D, BLACK, WITH CLIPSLOT, W/ CPA	34062-0056	D-BLK-CLIP	TPA	CPA	R4	-40°C TO 155°C	1	2		SALEABLE	
OPTION A, BLACK, WITH CLIPSLOT, W/ CPA	34062-0057	A-BLK-CLIP	TPA	CPA	R3	-40°C TO 125°C	1	2		SALEABLE	