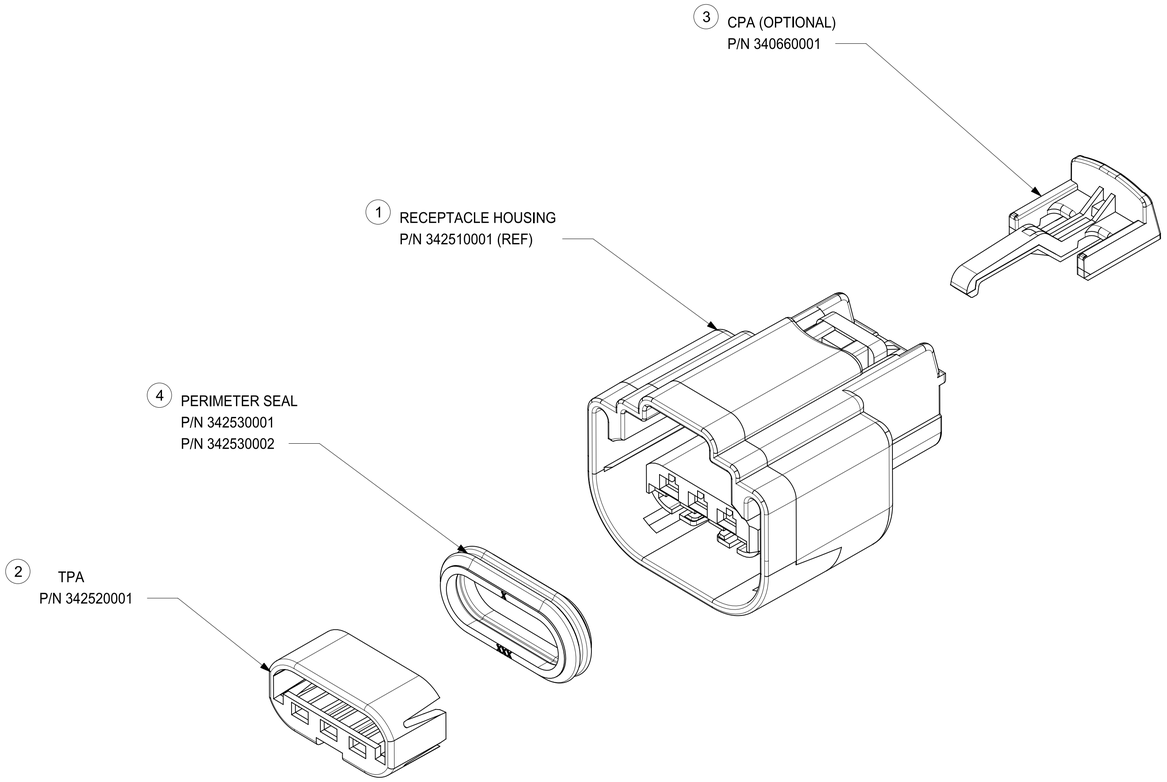
TABLE OF CONTENTS

SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	DUAL KEY CONFIGURATION
3	SINGLE KEY CONFIGURATION
4	VIEWS
5	BOM
6	TERMINAL AND CABLE SEAL

ASSEMBLY MATERIALS

ITEM	DESCRIPTION	COLOR	RECYCLE CODE
1	RECEPTACLE HOUSING	SEE CHART	PA6 GF40 (FOR 160073 SERIES)
2	TPA	NATURAL	PBT-GF30
3	CPA	RED	PBT-GF30
4	PERIMETER SEAL	BLUE	SILICON 50 DUROMETER



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. APPLICATION SPECIFICATION SEE: 1600730001-AS
- -CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- -DESIGNED TO MATE WITH DEVICE OR CONNECTOR AS SPECIFIED IN THE MATING INTERFACE/CONNECTOR DRAWINGS CHART.
- *DENOTES DRAWINGS THAT CAN BE ACCESSED AT <http://ewcap.uscarteams.org/>.
- -ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 4).

b. PRODUCT SPECIFICATION SEE: 1600730001-PS

c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE PK-31300-068

2. DESIGN - MATERIALS:

a. FOR BILL OF MATERIALS SEE: BOM IN SHEET 5

3. DESIGN - GEOMETRY:

a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.

b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009

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	DISCRIPTION
R1	REMASTERED IN NX AND ADDED NEW PN 1600733120

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	MM
SCALE	2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.100
1 PLACE	± 0.30
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: SEE REVISION TABLE

STATUS: Production

DRWN: Manikya MD 2025-10-03

CHK'D: MAURICIO RUIZ 2025-10-17

APPR: Enrique Dominguez 2025-10-28

molex

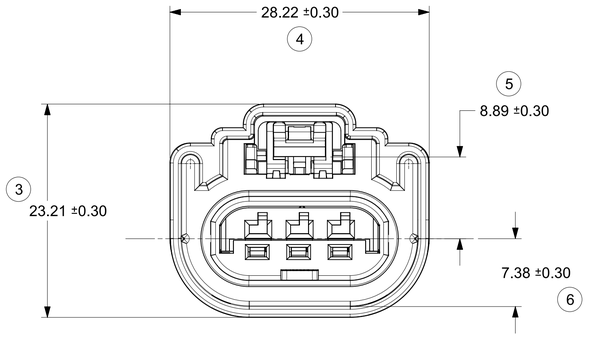
RECEPTACLE ASSEMBLY
3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL

PRODUCT CUSTOMER DRAWING

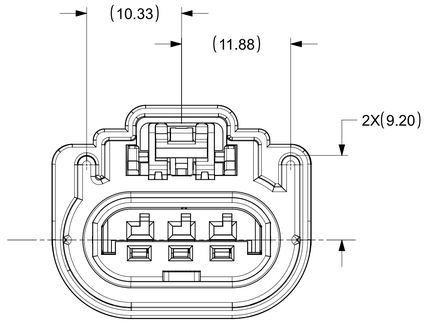
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160073-001	PSD	001	R1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	160073	SEE BOM	GENERAL MARKET	1 OF 6

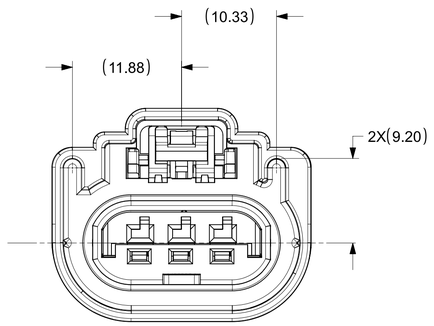
DUAL KEY CONFIGURATION



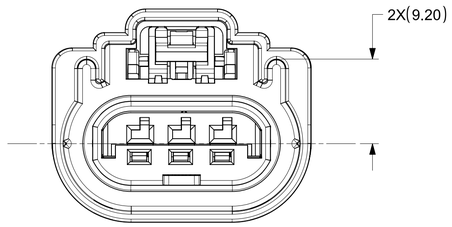
DUAL KEY OPTION "A"



DUAL KEY OPTION "B"



DUAL KEY OPTION "C"



DUAL KEY OPTION "D"

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.100
1 PLACE	± 0.30
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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APPR:	Enrique Dominguez	2025-10-28

molex

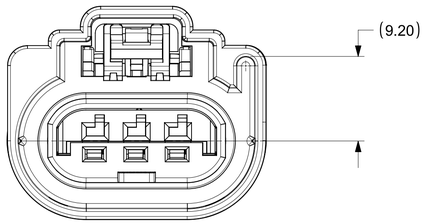
RECEPTACLE ASSEMBLY
3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL

PRODUCT CUSTOMER DRAWING

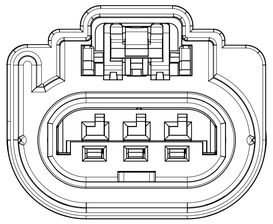
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160073-001	PSD	001	R1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	160073	SEE BOM	GENERAL MARKET	2 OF 6

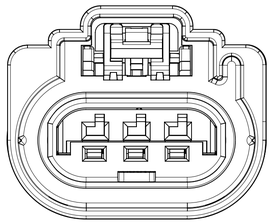
SINGLE KEY CONFIGURATION



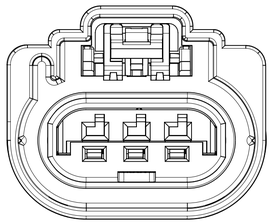
SINGLE KEY OPTION "A"



SINGLE KEY OPTION "B"



SINGLE KEY OPTION "C"



SINGLE KEY OPTION "D"

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DIMENSION UNITS	SCALE
MM	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.100
1 PLACE	± 0.30
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

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DRWN:	Manikya MD	2025-10-03
CHK'D:	MAURICIO RUIZ	2025-10-17
APPR:	Enrique Dominguez	2025-10-28

molex

RECEPTACLE ASSEMBLY
3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL

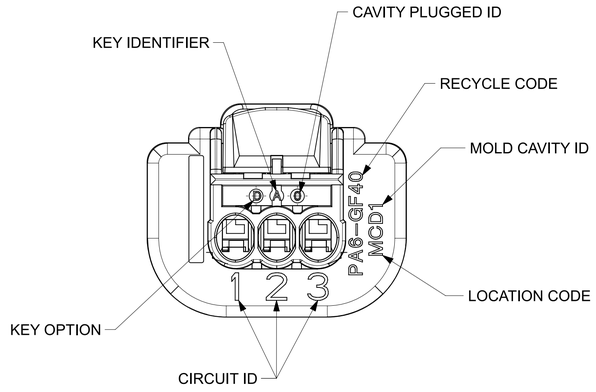
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160073-001	PSD	001	R1

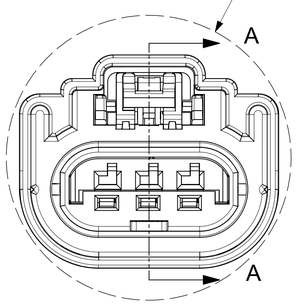
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	160073	SEE BOM	GENERAL MARKET	3 OF 6

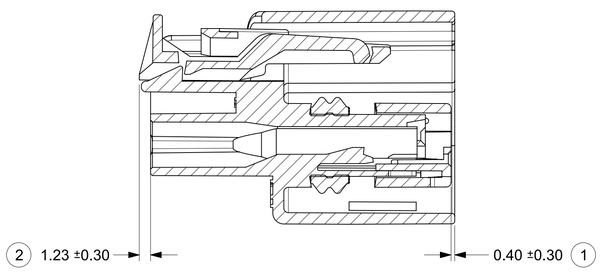
FORMAT TEMPLATE
REVISION: B
DATE: 2022/05/01

VIEWS

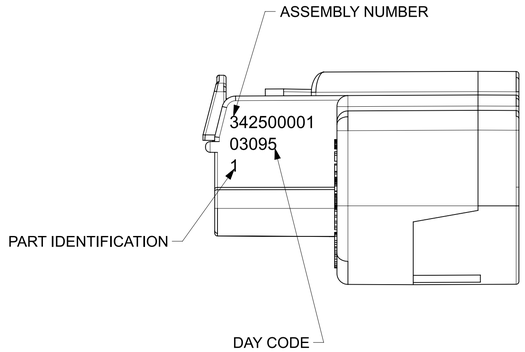


REAR VIEW
(WIRE HARNESS SIDE)





SECTION A-A
TPA & CPA (OPTIONAL) SHOWN IN PRE-LOCK POSITION



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.100
1 PLACE	± 0.30
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

STATUS: Production
DRWN: Manikya MD 2025-10-03
CHK'D: MAURICIO RUIZ 2025-10-17
APPR: Enrique Dominguez 2025-10-28

THIRD ANGLE PROJECTION

DRAWING	SERIES
A1-SIZE	160073

molex

RECEPTACLE ASSEMBLY
3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160073-001	PSD	001	R1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE BOM	GENERAL MARKET	4 OF 6

FORMAT TEMPLATE A1
REVISION: R
DATE: 2022/08/01

BOM

	ASSEMBLY DESCRIPTION	ASSEMBLY P/N	HOUSING KEY/COLOR	BLOCKED TERMINALS			MATES W/ USCAR DUAL KEY	MATES W/ USCAR SINGLE KEY	STATUS	COMMENTS
				1	2	3				
	KEY A, BLACK, W/O CPA	1600733101	A-BLACK				150-S-003-1-A01	N/A	SALEABLE	N/A
	KEY B, LT GREY, W/O CPA	1600733102	B-LT GREY				150-S-003-1-B01	N/A	SALEABLE	N/A
	KEY C, DK GREY, WIO CPA	1600733103	C-DK GREY				150-S-003-1-C01	N/A	SALEABLE	N/A
	KEY D, ST GREY, W/O CPA	1600733104	D-ST GREY				150-S-003-1-D01	N/A	SALEABLE	N/A
	KEY A, BLACK, W/ CPA	1600733105	A-BLACK				150-S-003-1-A01	N/A	SALEABLE	N/A
	KEY B, LT GREY, W/ CPA	1600733106	B-LT GREY				150-S-003-1-B01	N/A	SALEABLE	N/A
	KEY C, DK GREY, W/ CPA	1600733107	C-DK GREY				150-S-003-1-C01	N/A	SALEABLE	N/A
	KEY D, ST GREY, W/ CPA	1600733108	D-ST GREY				150-S-003-1-D01	N/A	SALEABLE	N/A
	KEY A, BLACK, WIO CPA	1600733109	A-BLACK				N/A	150-S-003-1-A02	SALEABLE	N/A
	KEY B, LT GREY, W/O CPA	1600733110	B-LT GREY				N/A	150-S-003-1-B02	SALEABLE	N/A
	KEY C, DK GREY, W/O CPA	1600733111	C-DK GREY				N/A	150-S-003-1-C02	SALEABLE	N/A
	KEY D. ST GREY, W/O CPA	1600733112	D-ST GREY				N/A	150-S-003-1-D02	SALEABLE	N/A
	KEY A, BLACK, W/ CPA	1600733113	A-BLACK				N/A	150-S-003-1-A02	SALEABLE	N/A
	KEY B, LT GREY, W/ CPA	1600733114	B-LT GREY				N/A	150-S-003-1-B02	SALEABLE	N/A
	KEY C, DK GREY, W/ CPA	1600733115	C-DK GREY				N/A	150-S-003-1-C02	SALEABLE	N/A
	KEY D, ST GREY, W/ CPA	1600733116	D-ST GREY				N/A	150-S-003-1-D02	SALEABLE	N/A
	KEY B BLACK, W/O CPA	1600733117	B-BLACK				150-S-003-1-B01	N/A	SALEABLE	N/A
	KEY D, BLACK, W/O CPA	1600733118	D-BLACK				N/A	150-S-003-1-D02	SALEABLE	N/A
	KEY B, BLACK, W/ CPA	1600733119	B-BLACK				150-S-003-1-B01	N/A	SALEABLE	N/A
R1	KEY D, BLACK, W/ CPA	1600733120	D-BLACK				N/A	150-S-003-1-D02	SALEABLE	N/A

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DIMENSION UNITS	SCALE
MM	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.100
1 PLACE	± 0.30
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

STATUS: Production

DRWN:	Manikya MD	2025-10-03
CHK'D:	MAURICIO RUIZ	2025-10-17
APPR:	Enrique Dominguez	2025-10-28

molex

RECEPTACLE ASSEMBLY
3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160073-001	PSD	001	R1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	160073	SEE BOM	GENERAL MARKET	5 OF 6

FORMAT TD-Drawing(A1)
REVISION: B
DATE: 2022/04/01

TERMINAL AND CABLE SEAL

TERMINAL *PREFERRED*					CABLE SEAL (QSR)		
AWG / WIRE SIZE	PART NUMBER	PAYOFF DIRECTION	PLATING	GRIP	QSR P/N	WIRE OD RANGE	COLOR
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			
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			

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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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3-WAY USCAR CONNECTOR 1.5MM CABLE SEAL

PRODUCT CUSTOMER DRAWING

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THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	160073	SEE BOM	GENERAL MARKET	6 OF 6

FORMAT TD-0nyxnxA7
REVISION: B
DATE: 2022/04/01