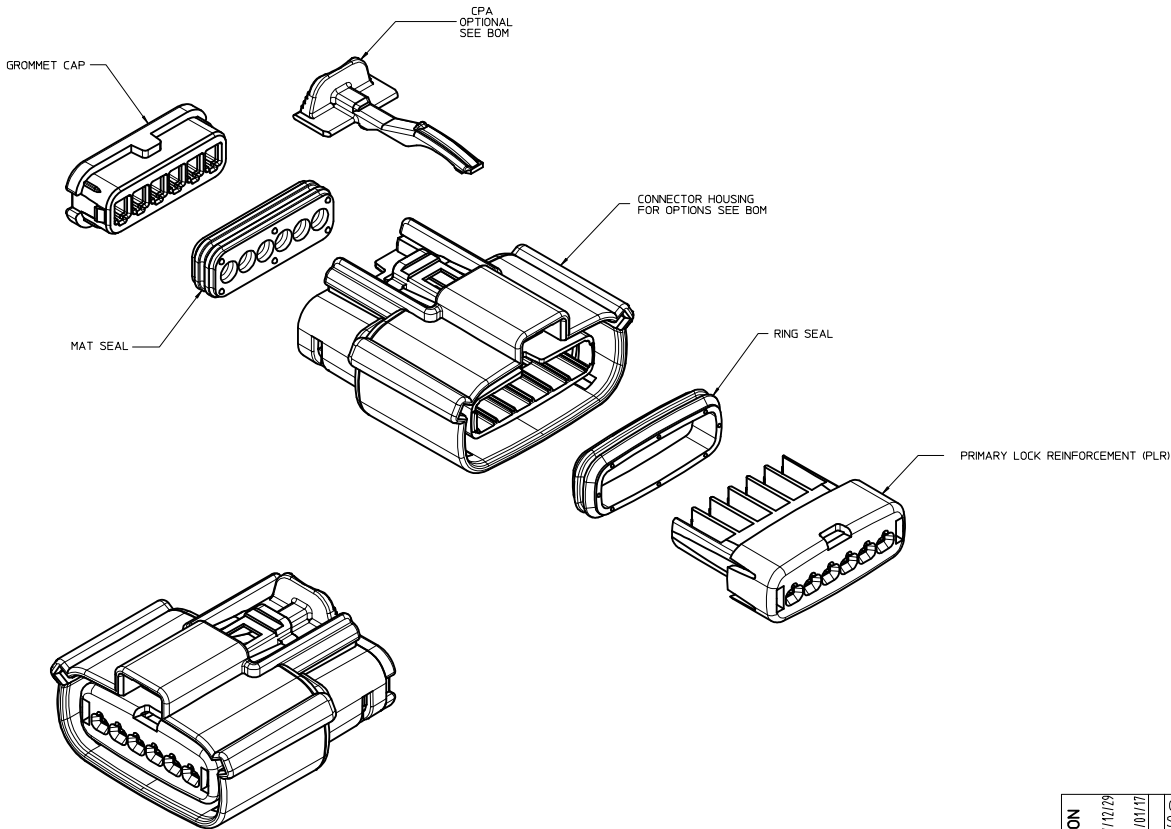


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1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BOM SHEET 1
5	BOM SHEET 2



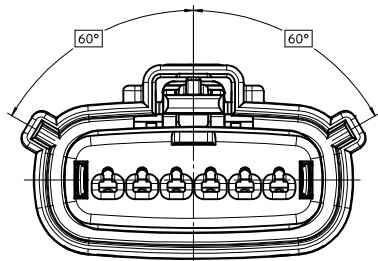
- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-006-1-Z03, AVAILABLE AT <<http://ewcap.uscarcorp.com>>
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-061
 - FOR 15mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33012-002.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2 mm TO 2.69 mm.
 - ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION 2-2 PRE-LOCK).
 - IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT www.molex.com <<http://www.molex.com>>.
 - ASSEMBLY CONFORMS TO SAE/J593-2 REV.4 WITH THE FOLLOWING EXCEPTIONS: ENGAGEMENT FORCE TO MOVE CPA FROM PRE-LOCK TO FINAL LOCK POSITION WHEN UNMATED: 40N MIN. DISENGAGEMENT FORCE TO MOVE CPA FROM FINAL LOCK TO PRE-LOCK POSITION: 3N MIN. 40N MAX. TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 NEWTONS.
- b. PRODUCT SPECIFICATION SEE: PS-33471-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-903
- 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#1255)
2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- b. CPA: PBT 20% GLASS FILLED
- c. MAT SEAL AND RING SEAL: INHERENTLY LUBRICATED SILICONE
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: TBD

T2	ADDED 33471-0678, 33471-6678
T1	ADDED BOM SHEET 2
T	ADDED NEW P/N 33471-0677
S9	ADDED NEW P/N 33471-0676
S8	ADDED NEW P/N 33471-0675
S7	ADDED NEW P/N 33471-0674
S6	UPDATED VIEWS
S5	UPDATED VIEWS
S4	ADDED NEW P/N 33471-0673
S3	CHANGE PART NUMBER STATUS ADDED NEW P/N 33471-0659 33471-0660 33471-0661 33471-0662 33471-0663 33471-0664 33471-0665 33471-0666 33471-0667 33471-0668 33471-0669 33471-0670 33471-0671 33471-0672
S2	ADDED NEW P/N 33471-0658
S1	UPDATED CONFIGURATIONS SHEET 3
S	REDRAWN
REV	DESCRIPTION

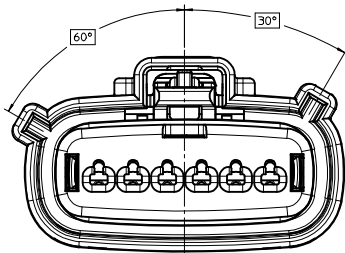
INSPECTION NUMBER LOG
LAST NUMBER USED: 5
ADDED:
REMOVED:

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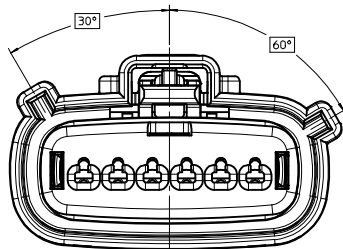
TITLE
MX150 1X6 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL
molex
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



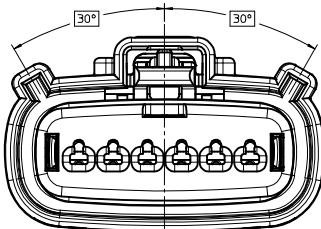
KEY A



KEY B



KEY C



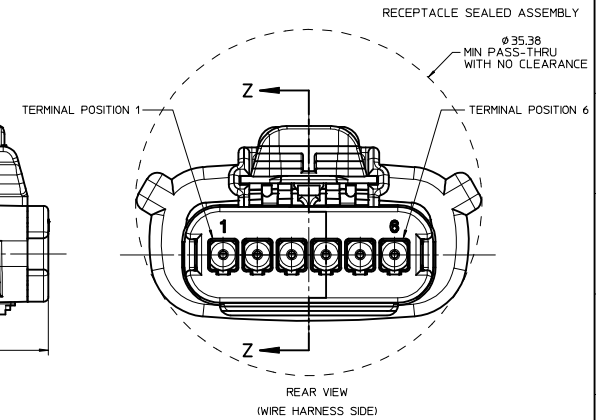
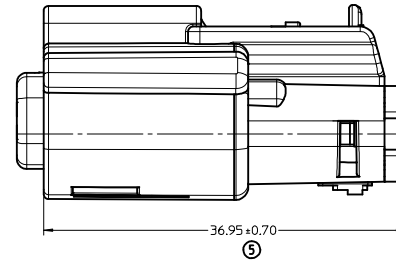
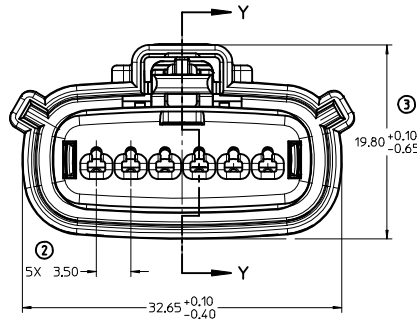
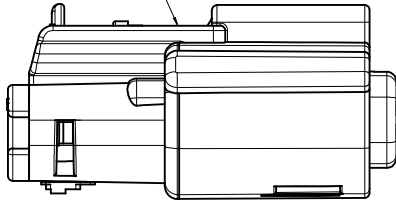
KEY D

KEY CONFIGURATIONS

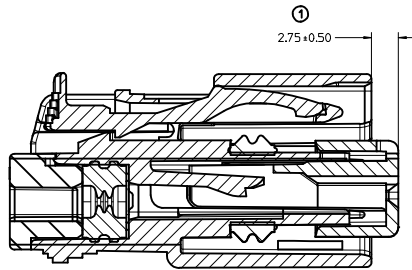
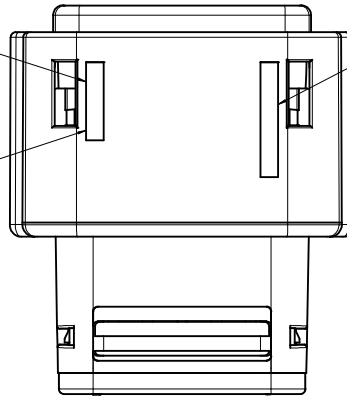
ENTER DESCRIPTION IEC NO: UAU2018-0226 DRAWN: SONG05 CHKD: 12 APPR: JENG02 2018/01/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					DRAWN BY DGRIFFI THS		DATE 06-03-03	TITLE MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	
					CHECKED BY		DATE		
					DGRIFFI THS		06-03-03		
					APPROVED BY		DATE		
					DGRIFFI THS		06-03-03		
					MATERIAL NO.		DOCUMENT NO.		
					SEE BOM		SD-33471-061		
					SIZE D				

SHEET NO.
2 OF 5

LASER MARKING THIS SURFACE
SEE NOTE 3g.

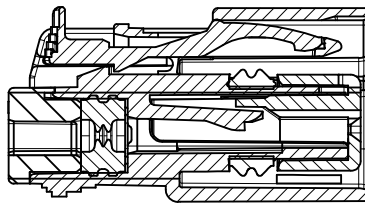


MOLD CAVITY CODE
LOCATION CODE
RECYCLE CODE



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION Z-Z



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

ENTER DESCRIPTION IEC NO: UAU2018-0226 DRAWN: SONG05 CHKD: APPR: JOENG02 2017/12/29 T2	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		
		4 PLACES ± --- ± ---		DGR I F F I T H S	06-03-03	MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
		3 PLACES ± --- ± ---		CHECKED BY	DATE	molex DOCUMENT NO. SD-33471-061 SHEET NO. 3 OF 5		
		2 PLACES ± 0.10 ± ---		DGR I F F I T H S	06-03-03			
		1 PLACE ± 0.3 ± ---		APPROVED BY	DATE			
		0 PLACE ± ±		DGR I F F I T H S	06-03-03			
				MATERIAL NO.				
ANGULAR ± 3 °		SEE BOM						
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						

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						CPA	STATUS	COMMENTS
			1	2	3	4	5	6			
33471-0601	BLACK	A							-	SALEABLE	
33471-0602	L.T. GRAY	B							-		
33471-0603	BROWN	C							-	NOT RECOMMENDED	SEE P/N 33471-0659
33471-0604	GREEN	D							-	NOT RECOMMENDED	SEE P/N 33471-0660
33471-0605	YELLOW	A							-	SALEABLE	
33471-0606	BLACK	A							YES	SALEABLE	
33471-0607	L.T. GRAY	B							YES		
33471-0608	BROWN	C							YES	NOT RECOMMENDED	SEE P/N 33471-0661
33471-0609	GREEN	D							YES	NOT RECOMMENDED	SEE P/N 33471-0662
33471-0610	YELLOW	A							YES	SALEABLE	
33471-0611	BLACK	A						X	-	SALEABLE	
33471-0612	L.T. GRAY	B						X	-		
33471-0613	BROWN	C						X	-	NOT RECOMMENDED	SEE P/N 33471-0663
33471-0614	GREEN	D						X	-	NOT RECOMMENDED	SEE P/N 33471-0664
33471-0615	YELLOW	A						X	-	SALEABLE	
33471-0616	BLACK	A						X	YES	SALEABLE	
33471-0617	L.T. GRAY	B						X	YES		
33471-0618	BROWN	C						X	YES	NOT RECOMMENDED	SEE P/N 33471-0665
33471-0619	GREEN	D						X	YES	NOT RECOMMENDED	SEE P/N 33471-0666
33471-0620	YELLOW	A						X	YES	SALEABLE	
33471-0621	BLACK	A	X					X	-	SALEABLE	
33471-0622	L.T. GRAY	B	X					X	-		
33471-0623	BROWN	C	X					X	-	NOT RECOMMENDED	SEE P/N 33471-0667
33471-0624	GREEN	D	X					X	-	NOT RECOMMENDED	SEE P/N 33471-0668
33471-0625	YELLOW	A	X					X	-	SALEABLE	
33471-0626	BLACK	A	X					X	YES	SALEABLE	
33471-0627	L.T. GRAY	B	X					X	YES		
33471-0628	BROWN	C	X					X	YES	NOT RECOMMENDED	SEE P/N 33471-0669
33471-0629	GREEN	D	X					X	YES	NOT RECOMMENDED	SEE P/N 33471-0670
33471-0630	YELLOW	A	X					X	YES	SALEABLE	
33471-0631	BLACK	A	X	X	X	X	X	X	-	SALEABLE	
33471-0632	L.T. GRAY	B	X	X	X	X	X	X	-		
33471-0633	BROWN	C	X	X	X	X	X	X	-	NOT RECOMMENDED	SEE P/N 33471-0671
33471-0634	GREEN	D	X	X	X	X	X	X	-	NOT RECOMMENDED	SEE P/N 33471-0672
33471-0635	YELLOW	A	X	X	X	X	X	X	-	SALEABLE	
33471-0650	BLACK	A						X	X	-	SALEABLE
33471-0651	BLACK	A	X	X	X	X	X	X	YES	SALEABLE	
33471-0652	BLACK	A						X	YES	SALEABLE	
33471-0653	BLACK	A			X				YES	SALEABLE	
33471-0654	BLACK	A			X				-	SALEABLE	
33471-0655	BLACK	A			X	X	X		-	SALEABLE	
33471-0656	BLACK	A						X	-	SALEABLE	
33471-0657	BLACK	A					X		-	SALEABLE	
33471-0658	BLACK	A	X	X	X	X			-	SALEABLE	
33471-0659	DK.GRAY	C							-	SALEABLE	
33471-0660	ST.GRAY	D							-	SALEABLE	
33471-0661	DK.GRAY	C							YES	SALEABLE	
33471-0662	ST.GRAY	D							YES	SALEABLE	
33471-0663	DK.GRAY	C						X	-	SALEABLE	
33471-0664	ST.GRAY	D						X	-	SALEABLE	
33471-0665	DK.GRAY	C						X	YES	SALEABLE	
33471-0666	ST.GRAY	D						X	YES	SALEABLE	
33471-0667	DK.GRAY	C	X					X	-	SALEABLE	
33471-0668	ST.GRAY	D	X					X	-	SALEABLE	
33471-0669	DK.GRAY	C	X					X	YES	SALEABLE	
33471-0670	ST.GRAY	D	X					X	YES	SALEABLE	
33471-0671	DK.GRAY	C	X	X	X	X	X	X	-	SALEABLE	
33471-0672	ST.GRAY	D	X	X	X	X	X	X	-	SALEABLE	
33471-0673	BLACK	A			X			X	-	SALEABLE	
33471-0674	BLACK	A			X				-	SALEABLE	
33471-0675	BLACK	A	X	X	X	X			YES	SALEABLE	
33471-0676	BLACK	A	X						-	SALEABLE	
33471-0677	BLACK	A		X	X	X			-	SALEABLE	
33471-0678	BLACK	A				X	X		-	SALEABLE	

ENTER DESCRIPTION
IEC NO. UAU2018-0226
DRAWN: SONG05
CHKD:
APPR: J0ENG02
2017/12/29

REV
12

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
DGR1FF1THS 06-03-03

CHECKED BY DATE
DGR1FF1THS 06-03-03

APPROVED BY DATE
DGR1FF1THS 06-03-03

MATERIAL NO.
SEE BOM

SCALE
DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
MX150 1X6 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL
molex

DOCUMENT NO.
SD-33471-061

SHEET NO.
4 OF 5

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

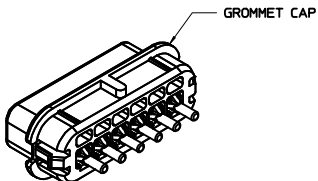
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

T1	ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						CPA	STATUS	COMMENTS
				1	2	3	4	5	6			
	33471-6601	BLACK	A							-	SALEABLE	
	33471-6602	LT. GRAY	B							-		
	33471-6603	BROWN	C							-	NOT RECOMMENDED	SEE P/N 33471-6659
	33471-6604	GREEN	D							-	NOT RECOMMENDED	SEE P/N 33471-6660
	33471-6605	YELLOW	A							-	SALEABLE	
	33471-6606	BLACK	A							YES	SALEABLE	
	33471-6607	LT. GRAY	B							YES		
	33471-6608	BROWN	C							YES	NOT RECOMMENDED	SEE P/N 33471-6661
	33471-6609	GREEN	D							YES	NOT RECOMMENDED	SEE P/N 33471-6662
	33471-6610	YELLOW	A							YES	SALEABLE	
	33471-6611	BLACK	A						X	-	SALEABLE	
	33471-6612	LT. GRAY	B						X	-		
	33471-6613	BROWN	C						X	-	NOT RECOMMENDED	SEE P/N 33471-6663
	33471-6614	GREEN	D						X	-	NOT RECOMMENDED	SEE P/N 33471-6664
	33471-6615	YELLOW	A						X	-	SALEABLE	
	33471-6616	BLACK	A						X	YES	SALEABLE	
	33471-6617	LT. GRAY	B						X	YES		
	33471-6618	BROWN	C						X	YES	NOT RECOMMENDED	SEE P/N 33471-6665
	33471-6619	GREEN	D						X	YES	NOT RECOMMENDED	SEE P/N 33471-6666
	33471-6620	YELLOW	A						X	YES	SALEABLE	
	33471-6621	BLACK	A	X					X	-	SALEABLE	
	33471-6622	LT. GRAY	B	X					X	-		
	33471-6623	BROWN	C	X					X	-	NOT RECOMMENDED	SEE P/N 33471-6667
	33471-6624	GREEN	D	X					X	-	NOT RECOMMENDED	SEE P/N 33471-6668
	33471-6625	YELLOW	A	X					X	-	SALEABLE	
	33471-6626	BLACK	A	X					X	YES	SALEABLE	
	33471-6627	LT. GRAY	B	X					X	YES		
	33471-6628	BROWN	C	X					X	YES	NOT RECOMMENDED	SEE P/N 33471-6669
	33471-6629	GREEN	D	X					X	YES	NOT RECOMMENDED	SEE P/N 33471-6670
	33471-6630	YELLOW	A	X					X	YES	SALEABLE	
	33471-6631	BLACK	A	X	X	X	X	X	X	-	SALEABLE	
	33471-6632	LT. GRAY	B	X	X	X	X	X	X	-		
	33471-6633	BROWN	C	X	X	X	X	X	X	-	NOT RECOMMENDED	SEE P/N 33471-6671
	33471-6634	GREEN	D	X	X	X	X	X	X	-	NOT RECOMMENDED	SEE P/N 33471-6672
	33471-6635	YELLOW	A	X	X	X	X	X	X	-	SALEABLE	
	33471-6650	BLACK	A						X	X	-	SALEABLE
	33471-6651	BLACK	A	X	X	X	X	X	X	YES	SALEABLE	
	33471-6652	BLACK	A				X			YES	SALEABLE	
	33471-6653	BLACK	A			X				YES	SALEABLE	
	33471-6654	BLACK	A			X				-	SALEABLE	
	33471-6655	BLACK	A			X	X	X		-	SALEABLE	
	33471-6656	BLACK	A						X	-	SALEABLE	
	33471-6657	BLACK	A					X		-	SALEABLE	
	33471-6658	BLACK	A	X	X	X	X			-	SALEABLE	
	33471-6659	DK GRAY	C							-	SALEABLE	
	33471-6660	ST GRAY	D							-	SALEABLE	
	33471-6661	DK GRAY	C							YES	SALEABLE	
	33471-6662	ST GRAY	D							YES	SALEABLE	
	33471-6663	DK GRAY	C						X	-	SALEABLE	
	33471-6664	ST GRAY	D						X	-	SALEABLE	
	33471-6665	DK GRAY	C						X	YES	SALEABLE	
	33471-6666	ST GRAY	D						X	YES	SALEABLE	
	33471-6667	DK GRAY	C	X					X	-	SALEABLE	
	33471-6668	ST GRAY	D	X					X	-	SALEABLE	
	33471-6669	DK GRAY	C	X					X	YES	SALEABLE	
	33471-6670	ST GRAY	D	X					X	YES	SALEABLE	
	33471-6671	DK GRAY	C	X	X	X	X	X	X	-	SALEABLE	
	33471-6672	ST GRAY	D	X	X	X	X	X	X	-	SALEABLE	
	33471-6673	BLACK	A			X			X	-	SALEABLE	
	33471-6674	BLACK	A			X				-	SALEABLE	
	33471-6675	BLACK	A	X		X		X		YES	SALEABLE	
	33471-6676	BLACK	A	X						-	SALEABLE	
	33471-6677	BLACK	A		X	X				-	SALEABLE	
	33471-6678	BLACK	A				X	X		-	SALEABLE	

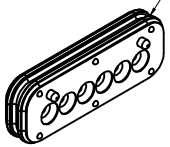
BOM SHEET 2

ENTER DESCRIPTION IEC NO: UAU2018-0226 DRAWN: SONG05 CHKD: APPR: JOENG02 2017/12/29 2018/01/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex		
				DRAWN BY DGR1FF1THS		DATE 06-03-03					
				CHECKED BY DGR1FF1THS		DATE 06-03-03					
				APPROVED BY DGR1FF1THS		DATE 06-03-03					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33471-061		SHEET NO. 5 OF 5			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

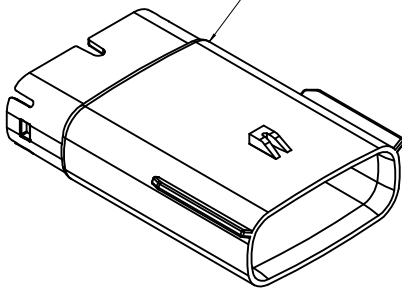
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
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4	SYSTEM PACKAGING
5	BOM



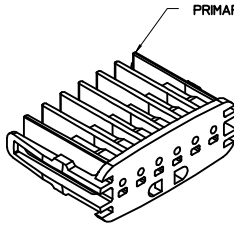
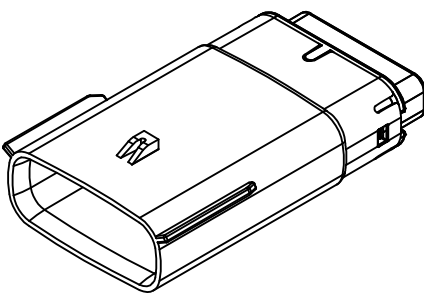
GROMMET CAP



MAT SEAL



CONNECTOR HOUSING
FOR OPTIONS SEE BOM



PRIMARY LOCK REINFORCEMENT (PLR)

NOTES: VALID UNLESS OTHERWISE SPECIFIED

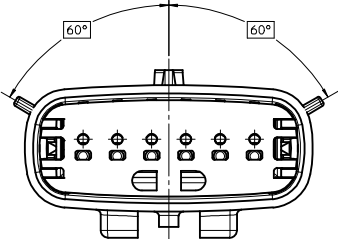
1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY,
CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR
MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY
CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY
SPECIFIED IN MOLEX DRAWING SD-33471-061.
-FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY
SEE MOLEX DRAWING SD-33000-001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION
-IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK)
POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT
www.molex.com <<http://www.molex.com>>
-ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 WITH THE FOLLOWING EXCEPTIONS:
TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm
SHALL NOT EXCEED 45 NEWTONS.
b. PRODUCT SPECIFICATION SEE: PS-33471-000
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY,
RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY),
AND PRODUCT VALIDATION.
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635
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)
2. DESIGN - MATERIALS:
a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
b. MAT SEAL: INHERENTLY LUBRICATED SILICONE
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: TBD

INSPECTION NUMBER LOG
LAST NUMBER USED: 8
ADDED:
REMOVED:

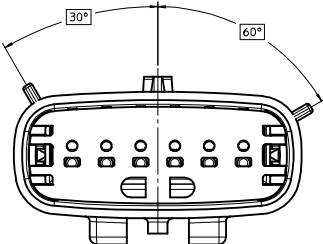
V3	ADD NEW P/N 33481-6601 TO 33481-6624
V2	ADD NEW P/N 33481-0624
V1	ADD NEW P/N 33481-0623
U	ADD NEW P/N 33481-0621 33481-0622
T	ADD NEW P/N 33481-0620
S	UPDATED GROMMET CAP
R1	UPDATED DIMENSIONS TO MATCH MODEL
R	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD
D	REDRAWN
REV	DESCRIPTION

REVISED EC NO: LAU2018-0293 V3 DRAWN: SONGS 2017/10/14 CHKD: WANSI, ANBROU APPR: WANSI, ANBROU 2017/10/30	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 DMARCOUX 06-14-02 CHECKED BY DATE DGRIFTH 06-14-02 APPROVED BY DATE VKOSHY 2010/11/04	SCALE 3:1 TITLE MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL molex	DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MATERIAL NO. SEE BOM DOCUMENT NO. SD-33481-061	SHEET NO. 1 OF 5

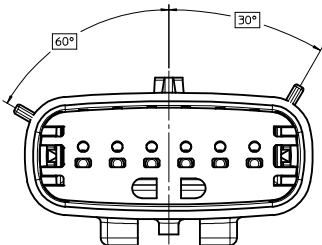
KEY CONFIGURATIONS



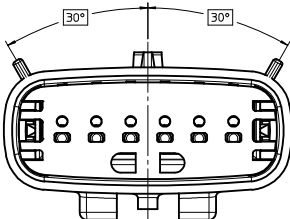
KEY A



KEY B

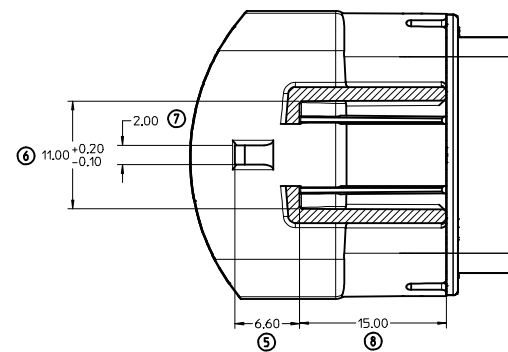
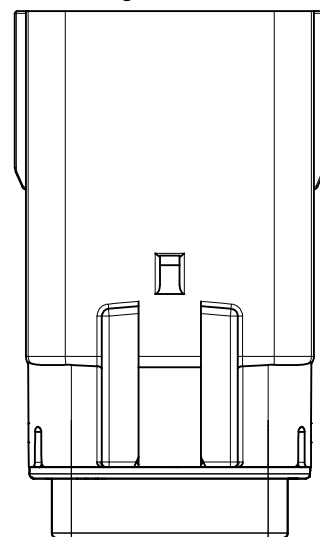
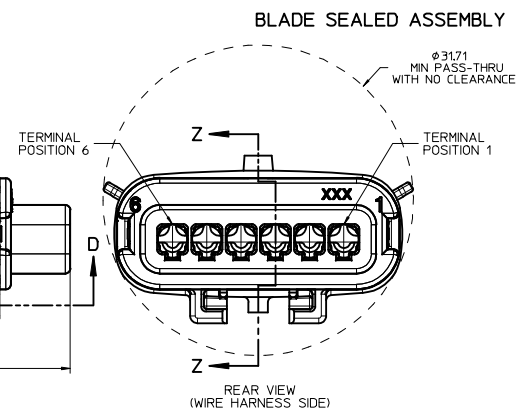
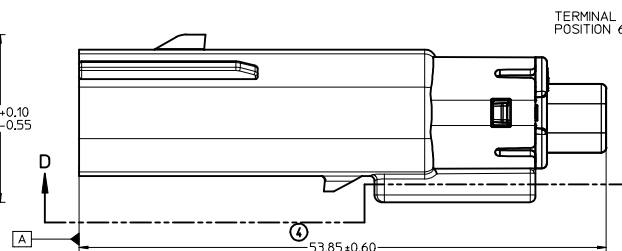
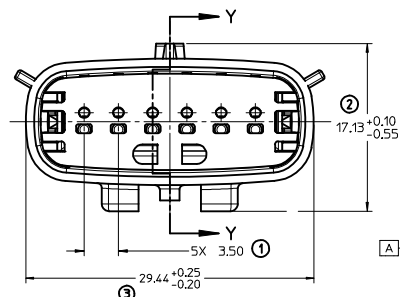
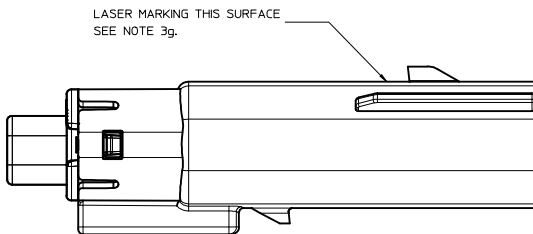


KEY C

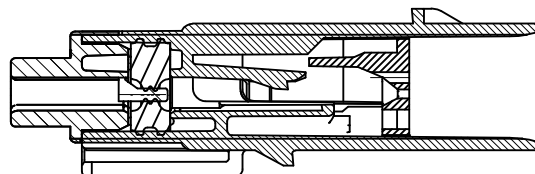


KEY D

REVISED EC NO: UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD: WJANS/AMBROU 2017/10/18 APPD: WJANS/AMBROU 2017/10/30 VS	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION						
				mm	INCH	DRAWN BY DMARCOUX	DATE 06-14-02	TITLE MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL								
			4 PLACES	± ---	± ---	CHECKED BY DGRIFTH	DATE 06-14-02	APPROVED BY VKOSHY DATE 2010/11/04								
			3 PLACES	± ---	± ---	MATERIAL NO. SEE BOM										
			2 PLACES	± 0.10	± ---						DOCUMENT NO. SD-33481-061					
			1 PLACE	± 0.3	± ---	SHEET NO. 2 OF 5										
			0 PLACE	±	±											
			ANGULAR ± 3 °								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													

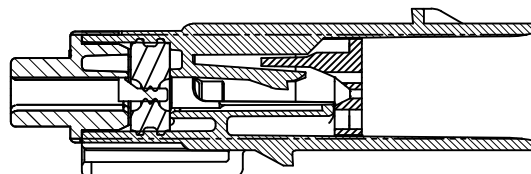


SECTION D-D



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION Z-Z



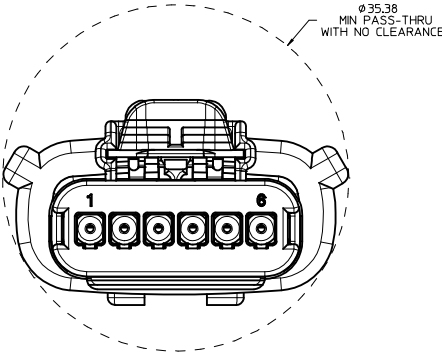
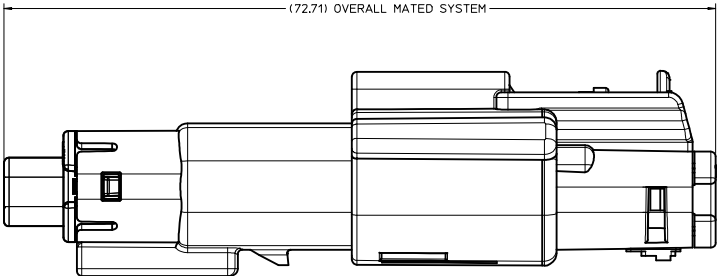
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

REVISED IEC NO. UAU2018-0293 DRAWN BY: 2017/10/14 CHKD BY: WJANS/ANBROU/2017/10/18 APPR: WJANS/ANBROU/2017/10/30 V3	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 DMARCOUX 06-14-02 CHECKED BY: DATE DGRIFTH 06-14-02 APPROVED BY: DATE VKOSHY 2010/11/04	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL molex MATERIAL NO. SEE BOM DOCUMENT NO. SD-33481-061	SHEET NO. 3 OF 5

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

SYSTEM PACKAGING



REVISED IEC NO. UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD: WJANSI, AMBROU 2017/10/18 APPR: WJANSI, AMBROU 2017/10/30 VS	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.10</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.3</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>±</td><td>±</td></tr></table> ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.10	± ---	1 PLACE	± 0.3	± ---	0 PLACE	±	±	DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH																				
			4 PLACES	± ---	± ---																				
			3 PLACES	± ---	± ---																				
			2 PLACES	± 0.10	± ---																				
1 PLACE	± 0.3	± ---																							
0 PLACE	±	±																							
DRAWN BY DMARCOUX		DATE 06-14-02	TITLE MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL																						
CHECKED BY DGRIFTH		DATE 06-14-02	molex																						
APPROVED BY VKOSHY		DATE 2010/11/04																							
MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33481-061																							
SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 4 OF 5																			

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

BOM SHEET 1

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						STATUS	COMMENTS
			1	2	3	4	5	6		
33481-0601	BLACK	A							SALEABLE	
33481-0602	LT.GRAY	B								
33481-0603	BROWN	C								NOT RECOMMENDED, SEE P/N 33481-0618
33481-0604	GREEN	D								NOT RECOMMENDED, SEE P/N 33481-0619
33481-0605	YELLOW	A							SALEABLE	
33481-0606	BLACK	A						X	SALEABLE	
33481-0607	LT.GRAY	B						X		
33481-0608	BROWN	C						X		
33481-0609	GREEN	D						X		
33481-0610	YELLOW	A						X	SALEABLE	
33481-0611	BLACK	A	X					X	SALEABLE	
33481-0612	LT.GRAY	B	X					X		
33481-0613	BROWN	C	X					X		
33481-0614	GREEN	D	X					X		
33481-0615	YELLOW	A	X					X	SALEABLE	
33481-0616	BLACK	A	X	X	X	X	X	X	SALEABLE	
33481-0617	BLACK	A					X		SALEABLE	
33481-0618	DK.GRAY	C								
33481-0619	ST.GRAY	D								
33481-0620	BLACK	A			X				SALEABLE	
33481-0621	ST.GRAY	D	X	X	X	X	X	X	SALEABLE	
33481-0622	ST.GRAY	D	X					X	SALEABLE	
33481-0623	BLACK	A	X		X		X		SALEABLE	
33481-0624	BLACK	A					X	X	SALEABLE	

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						STATUS	COMMENTS
			1	2	3	4	5	6		
33481-6601	BLACK	A							SALEABLE	
33481-6602	LT.GRAY	B								
33481-6603	BROWN	C								NOT RECOMMENDED, SEE P/N 33481-6618
33481-6604	GREEN	D								NOT RECOMMENDED, SEE P/N 33481-6619
33481-6605	YELLOW	A							SALEABLE	
33481-6606	BLACK	A						X	SALEABLE	
33481-6607	LT.GRAY	B						X		
33481-6608	BROWN	C						X		
33481-6609	GREEN	D						X		
33481-6610	YELLOW	A						X	SALEABLE	
33481-6611	BLACK	A	X					X	SALEABLE	
33481-6612	LT.GRAY	B	X					X		
33481-6613	BROWN	C	X					X		
33481-6614	GREEN	D	X					X		
33481-6615	YELLOW	A	X					X	SALEABLE	
33481-6616	BLACK	A	X	X	X	X	X	X	SALEABLE	
33481-6617	BLACK	A					X		SALEABLE	
33481-6618	DK.GRAY	C								
33481-6619	ST.GRAY	D								
33481-6620	BLACK	A			X				SALEABLE	
33481-6621	ST.GRAY	D	X	X	X	X	X	X	SALEABLE	
33481-6622	ST.GRAY	D	X					X	SALEABLE	
33481-6623	BLACK	A	X		X		X		SALEABLE	
33481-6624	BLACK	A					X	X	SALEABLE	

REVISED ECC NO: UAU2018-0293 DRAWN BY: 2017/10/14 CHKD BY: 2017/10/18 APPR: MANSI AMBOLD 2017/10/30 V3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): 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		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			DRAWN BY: DATE DMARCOUX 06-14-02		CHECKED BY: DATE DGRIFITH 06-14-02			
			APPROVED BY: DATE VKOSHY 2010/11/04		MATERIAL NO. SEE BOM			
			DOCUMENT NO. SD-33481-061		SHEET NO. 5 OF 5			