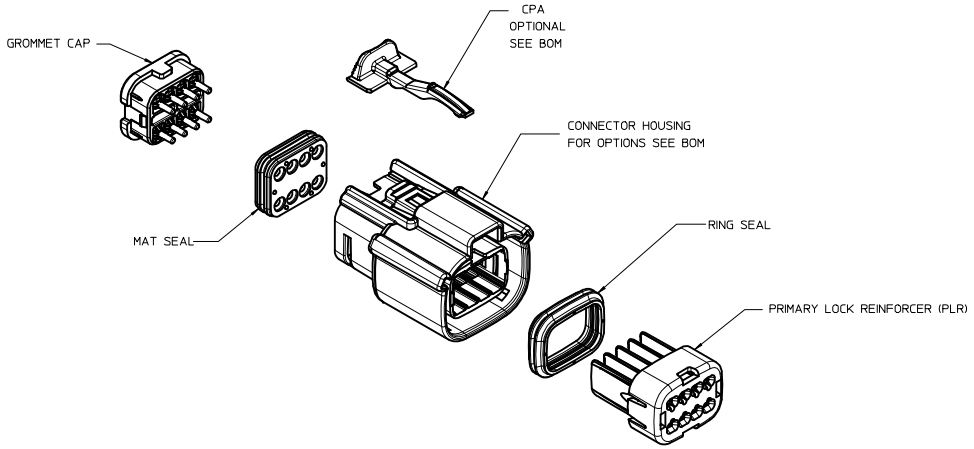
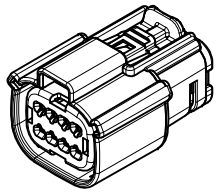
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	WIRE DRESS COVER NOTES
5	WIRE DRESS COVER
6	WIRE DRESS COVER CONFIGURATIONS
7-9	BOM





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-008-2-Z02, AVAILIBLE AT <http://ewcap.uscarteams.org/>.
-DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33482-081
-FOR 1.5mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33012-002.
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION Z-Z 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/USCAR-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.
PLR REMOVAL FROM FINAL LOCK TO PRE-LOCK POSITION SHALL NOT EXCEED 130 NEWTONS.
b. PRODUCT SPECIFICATION SEE: PS-33472-000
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), 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#13255)
f. FOR INFORMATION ON 2X4 RECEPTACLE SEALED ASSEMBLY WITH CLIPSLOT SEE SD-33472-091

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).
g. LASER MARKING: TBD

INSPECTION NUMBERR LOG
LAST NUMBER USED:
ADDED:
REMOVED:

REV	DESCRIPTION
Y4	ADD NEW P/N 33472-0897
Y3	UPDATED 33472-0803 33472-0804 33472-0808 33472-0809 PRODUCTION STATUS ADD NEW P/N 33472-0895 33472-0896
Y2	UPDATED NOMENCLATURE ON SHEET 3
Y1	ADD NEW P/N 33472-0894
Y	REDRAWN, ADDED WIRE DRESS COVER

ENTER DESCRIPTION
EC NO: UAU2013-1018 2013/01/04
DRWN: TYE
CHKD:
APPR: WKOSHY 2013/01/16
DESCRIPTION
Y4
REV

QUALITY SYMBOLS: ⏥=0 (4 PLACES), ⏥=0 (3 PLACES), ⏥=0 (2 PLACES), ⏥=0 (1 PLACE), ⏥=0 (0 PLACE)

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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	D.MARCOUX	06-13-02
CHECKED BY	DGRIFFITHS	06-13-02
APPROVED BY	FHOLUB	06-13-02

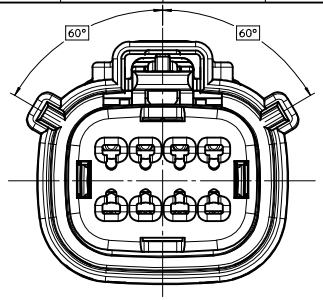
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molex

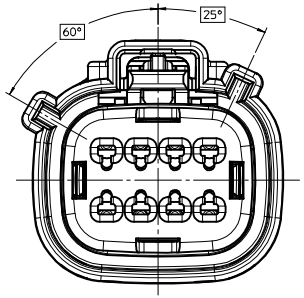
MATERIAL NO.: SEE BOM
DOCUMENT NO.: SD-33472-081
SHEET NO.: 1 OF 9
SIZE: D

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

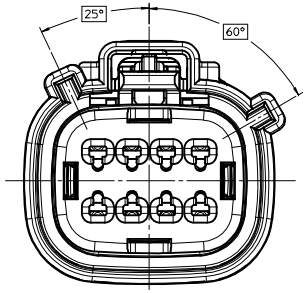
KEY CONFIGURATIONS



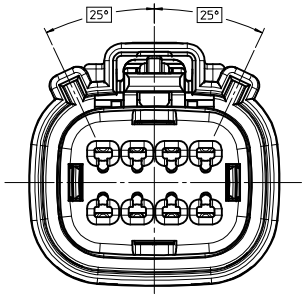
KEY A



KEY B



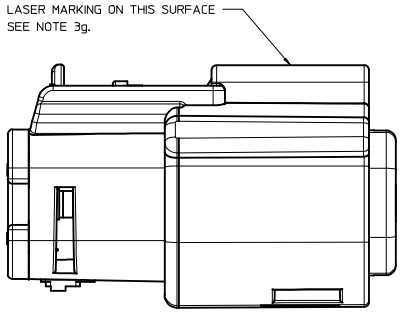
KEY C

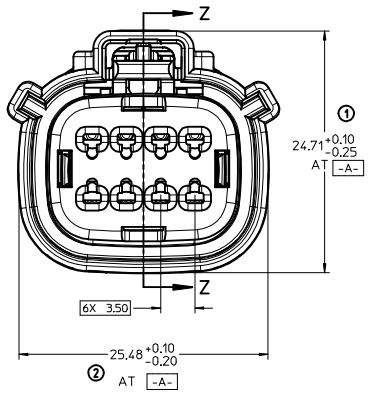


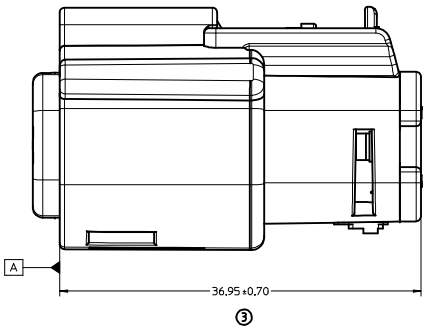
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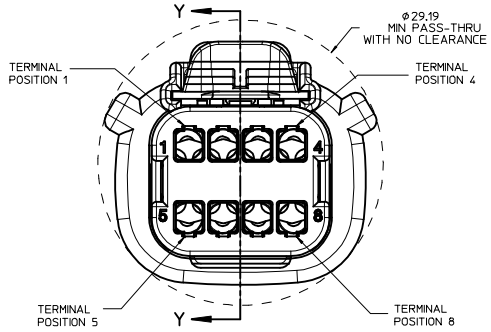
ENTER DESCRIPTION EC NO: UAU2013-1018 2013/01/04 DRWN: TYE CHKD: APPR: WJOSHY 2013/01/16 Y4	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.10 / ± --- 1 PLACE ± 0.3 / ± --- 0 PLACE ± / ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: D.MARCOUX DATE: 06-13-02 CHECKED BY: DGRIFFITHS DATE: 06-13-02 APPROVED BY: FHOLUB DATE: 06-13-02 MATERIAL NO.: SEE BOM	SCALE: 4:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO.: SD-33472-081 SHEET NO.: 2 OF 9 SIZE: D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

RECEPTACLE SEALED ASSEMBLY

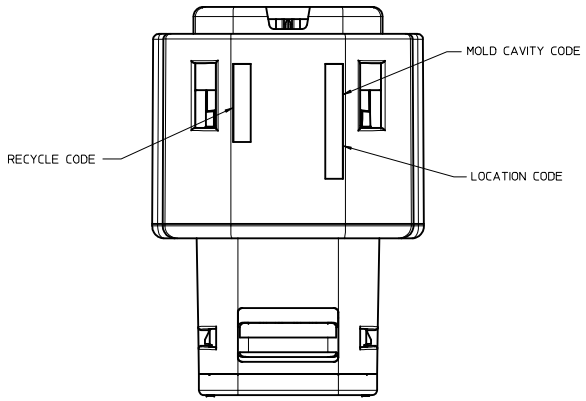


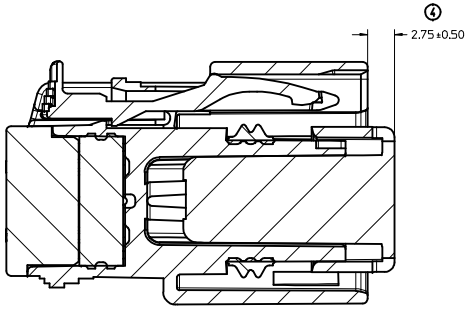






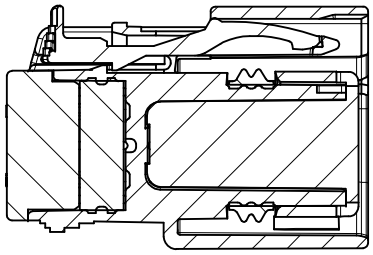
REAR VIEW
(WIRE HARNESS SIDE)





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	EC NO: UAU2013-1018 2013/01/04	DRWN: TYE 2013/01/16	CHKD: APPR: KOSHY
DESCRIPTION			
REV	Y4		

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
=0	4 PLACES	± ---	± ---
=0	3 PLACES	± ---	± ---
=0	2 PLACES	± 0.10	± ---
=0	1 PLACE	± 0.3	± ---
	0 PLACE	±	±
	ANGULAR ± 3 °		

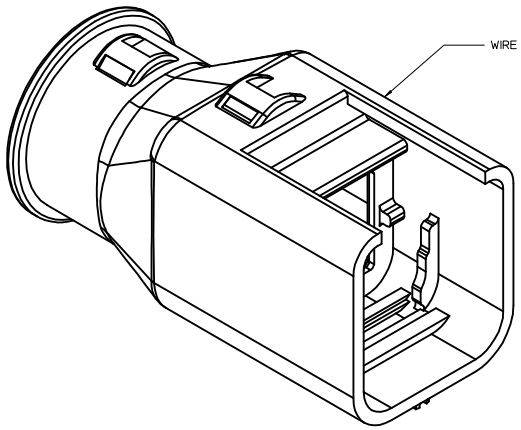
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

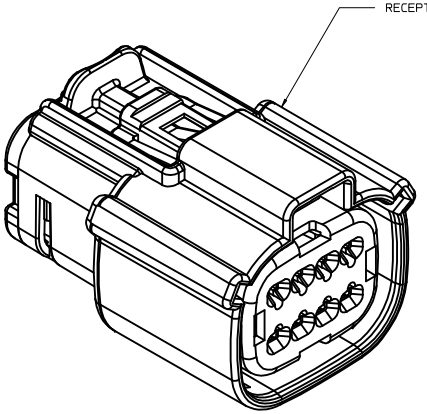
DIMENSION STYLE	MM ONLY	
DRAWN BY	D.MARCOUX	DATE 06-13-02
CHECKED BY	DGRIFFITHS	DATE 06-13-02
APPROVED BY	FHOLUB	DATE 06-13-02
MATERIAL NO.	SEE BOM	
SIZE	D	

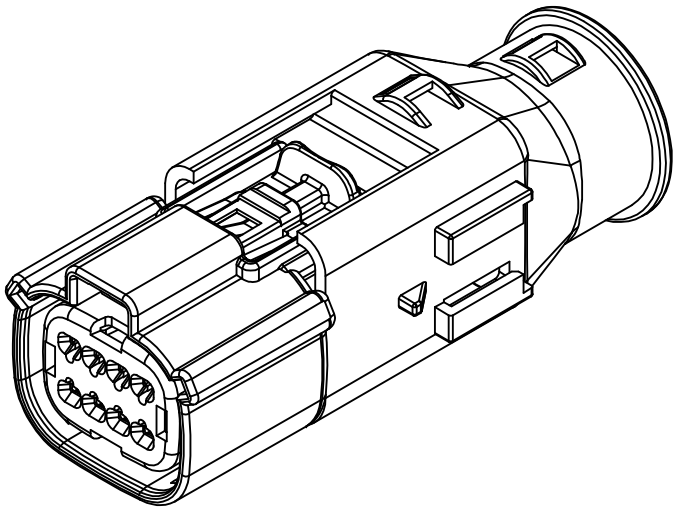
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
TITLE	MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL
	molex
DOCUMENT NO.	SD-33472-081
SHEET NO.	3 OF 9

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

WIRE DRESS COVER NOTES







WIRE DRESS COVER NOTES: VALID UNLESS OTHERWISE SPECIFIED

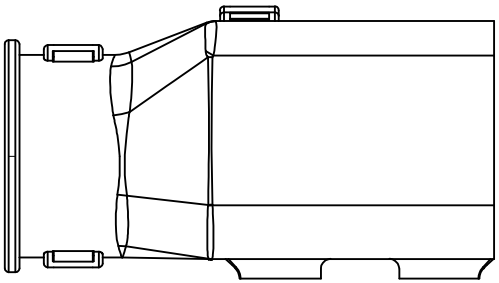
1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-********TBD********
   -DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY
    SPECIFIED IN MOLEX DRAWING SD-33472-081.
   -SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF TBDmm TO TBDmm.
   -COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPARATLEY
   -WIRE DRESS COVER DESIGN IS OWNED BY SCHLEMMER
b. PRODUCT SPECIFICATION SEE: PS-********TBD********
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-********TBD********
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)

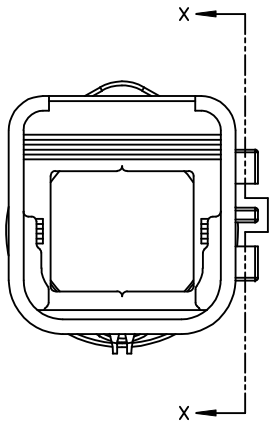
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a. PA66 0% GLASS FILLED
b. BLACK

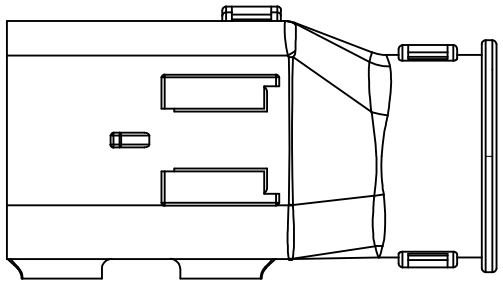
3. DESIGN - GEOMETRY:
a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA
   IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION
   NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
e. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).

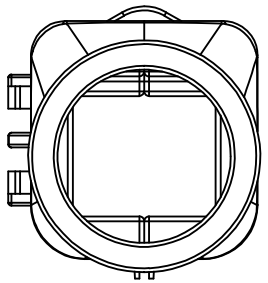
ENTER DESCRIPTION EC NO: UAU2013-1018 2013/01/04 DRWN: TYE 2013/01/16 CHKD: APPR: WKOSHY DESCRIPTION Y4 REV	QUALITY SYMBOLS =0 =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.10 / ± --- 1 PLACE ± 0.3 / ± --- 0 PLACE ± / ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			DRAWN BY D.MARCOUX 06-13-02 CHECKED BY DGRIFFITHS 06-13-02 APPROVED BY FHOLUB 06-13-02 MATERIAL NO. SEE BOM	TITLE MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33472-081		SHEET NO. 4 OF 9			
			SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

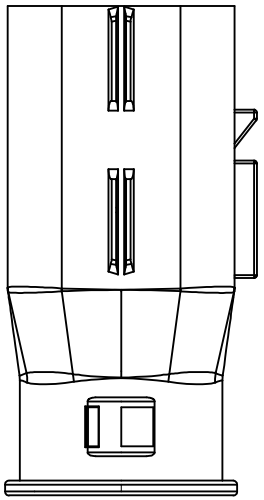
WIRE DRESS COVER

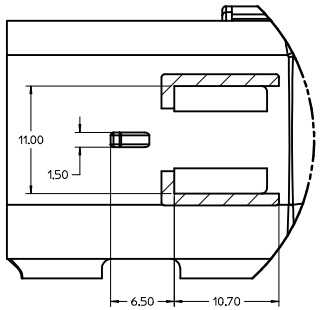








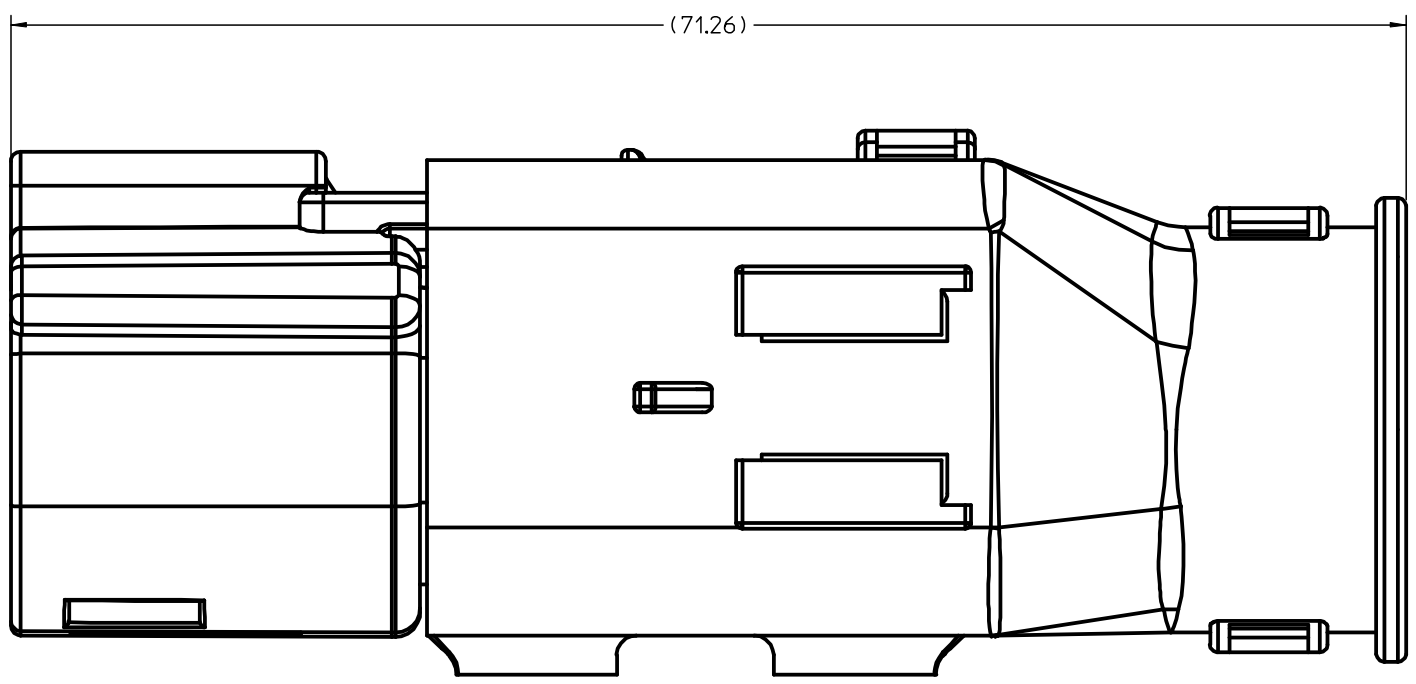


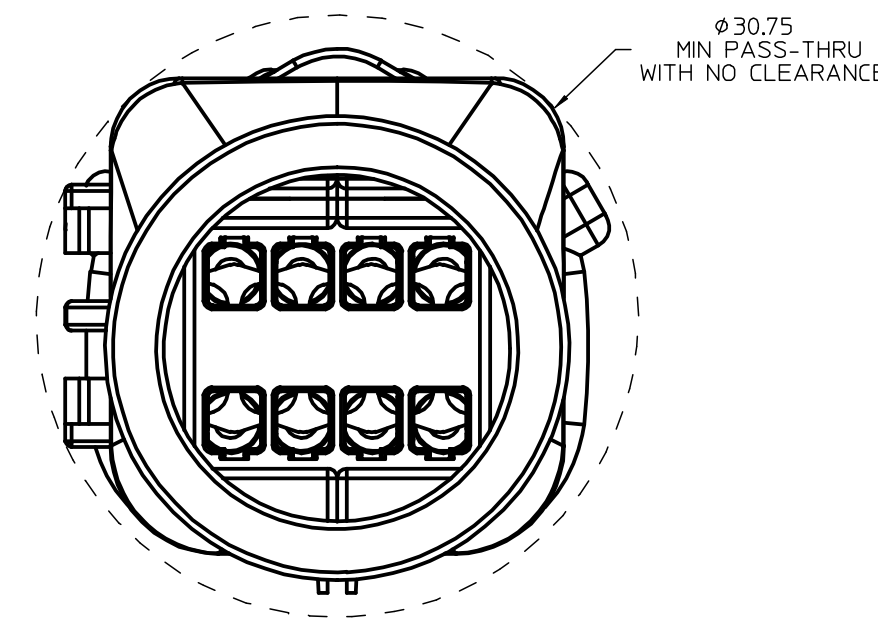


Partial X-X
SCALE 4:1

ENTER DESCRIPTION EC NO: UAU2013-1018 2013/01/04 DRWN: TYE CHKD: APPR: WKOSHY 2013/01/16 Y4	DESCRIPTION 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 D.MARCOUX DATE 06-13-02 CHECKED BY DGRIFFITHS DATE 06-13-02 APPROVED BY FHOLUB DATE 06-13-02 MATERIAL NO. SEE BOM	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33472-081 SHEET NO. 5 OF 9 SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

WIRE DRESS COVER CONFIGURATIONS





RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE WIRE DRESS COVER

ENTER DESCRIPTION
EC NO: UAU2013-1018
DRWN:TYE 2013/01/04
CH'KD:
APPR:VKOSHY 2013/01/16
DESCRIPTION
Y4
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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	D.MARCOUX	06-13-02
CHECKED BY	DGRIFFITHS	06-13-02
APPROVED BY	FHOLUB	06-13-02

TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

molex

MATERIAL NO.: SEE BOM
DOCUMENT NO.: SD-33472-081
SHEET NO.: 6 OF 9
SIZE: D

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

tb_frame_D_P_AM_T
Rev. G 2012/01/11

	ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	D	C	D	A	GCO	GCP	CPA	1	2	3	4	5	6	7	8	STATUS	COMMENTS	34951-0810 WDC WITH RIBS	34951-0820 WDC WITHOUT RIBS
	VOID KEY	33472-0840																							
	KEY D, W/CPA, GREEN	33472-0839				D						GCP	CPA	1			4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY C, W/CPA, BROWN	33472-0838			C							GCP	CPA	1			4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY B, W/CPA, LIGHT GRAY	33472-0837		B								GCP	CPA	1			4	5						OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, BLACK	33472-0836	A									GCP	CPA	1			4	5						OK TO TOOL	OK TO TOOL
	VOID KEY	33472-0835																							
	KEY D, GREEN	33472-0834				D						GCP		1			4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY C, BROWN	33472-0833			C							GCP		1			4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY B, LIGHT GRAY	33472-0832		B								GCP		1			4	5						OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0831	A									GCP		1			4	5						OK TO TOOL	OK TO TOOL
	VOID KEY	33472-0830																							
	KEY D, W/CPA, GREEN	33472-0829				D						GCP	CPA				4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY C, W/CPA, BROWN	33472-0828			C							GCP	CPA				4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY B, W/CPA, LIGHT GRAY	33472-0827		B								GCP	CPA				4	5						OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, BLACK	33472-0826	A									GCP	CPA				4	5						OK TO TOOL	OK TO TOOL
	VOID KEY	33472-0825																							
	KEY D, GREEN	33472-0824				D						GCP					4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY C, BROWN	33472-0823			C							GCP					4	5				NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY B, LIGHT GRAY	33472-0822		B								GCP					4	5						OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0821	A									GCP					4	5						OK TO TOOL	OK TO TOOL
	VOID KEY	33472-0820																							
	KEY D, W/CPA, GREEN	33472-0819				D						GCP	CPA				4					NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY C, W/CPA, BROWN	33472-0818			C							GCP	CPA				4					NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY B, W/CPA, LIGHT GRAY	33472-0817		B								GCP	CPA				4							OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, BLACK	33472-0816	A									GCP	CPA				4							OK TO TOOL	OK TO TOOL
	VOID KEY	33472-0815																							
	KEY D, GREEN	33472-0814				D						GCP					4					NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY C, BROWN	33472-0813			C							GCP					4					NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
	KEY B, LIGHT GRAY	33472-0812		B								GCP					4							OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0811	A									GCP					4							OK TO TOOL	OK TO TOOL
	VOID KEY	33472-0810																							
(Y3)	KEY D, W/CPA, GREEN	33472-0809				D					GCO		CPA									NOT RECOMMENDED USE,PLEASE USE 33472-0882		OK TO TOOL	OK TO TOOL
(Y3)	KEY C, W/CPA, BROWN	33472-0808			C						GCO		CPA									NOT RECOMMENDED USE,PLEASE USE 33472-0881		OK TO TOOL	OK TO TOOL
	KEY B, W/CPA, LIGHT GRAY	33472-0807		B							GCO		CPA											OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, BLACK	33472-0806	A								GCO		CPA											OK TO TOOL	OK TO TOOL
	KEY D, BLACK	33472-0805					D				GCO													OK TO TOOL	OK TO TOOL
(Y3)	KEY D, GREEN	33472-0804				D					GCO											NOT RECOMMENDED USE,PLEASE USE 33472-0880		OK TO TOOL	OK TO TOOL
(Y3)	KEY C, BROWN	33472-0803			C						GCO											NOT RECOMMENDED USE,PLEASE USE 33472-0879		OK TO TOOL	OK TO TOOL
	KEY B, LIGHT GRAY	33472-0802		B							GCO													OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0801	A								GCO													OK TO TOOL	OK TO TOOL

BLOCKED TERMINAL

CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION
CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION

OPTIONAL ATTATCHMENTS SOLD SEPERATLEY

DESCRIPTION	COLOR	MATERIAL
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION D	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	YELLOW	SPS/NYLON GF20
GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
CPA	RED	PBT GF20
PLR	NATURAL	SPS/NYLON GF20
RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE

BOM/APPLICABLE COMPONENTS TABLE

TABLE LEGEND	
ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, OPEN
GCP	GROMMET CAP, PLUGGED
PLR	PRIMARY LOCK REINFORCEMENT
CPA	CONNECTOR POSITION ASSURANCE
WDC	WIRE DRESS COVER

ENTER DESCRIPTION
EC NO: UAU2013-1018 2013/01/04
DRWN: TYE
CHKD:
APPR: KOSHY 2013/01/16
DESCRIPTION
REV Y4

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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: D.MARCOUX DATE: 06-13-02
CHECKED BY: DGRIFFITHS DATE: 06-13-02
APPROVED BY: FHOLUB DATE: 06-13-02
MATERIAL NO.: SEE BOM

TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

molex

DOCUMENT NO.: SD-33472-081
SHEET NO.: 7 OF 9

SIZE D

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

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	D	A	GCO	GCP	CPA	1	2	3	4	5	6	7	8	STATUS	COMMENTS	34951-0810 WDC WITH RIBS	34951-0820 WDC WITHOUT RIBS
		BLOCKED TERMINAL																					
		CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																				OPTIONAL ATTATCHMENTS SOLD SEPERATLEY	
KEY D, STONE GRAY	33472-0880						D		GCO													OK TO TOOL	OK TO TOOL
KEY C, DARK GRAY	33472-0879					C			GCO													OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0878	A								GCP				3		5	6					OK TO TOOL	OK TO TOOL
KEY A, W/CPA, BLACK	33472-0877	A								GCP	CPA								8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0876	A								GCP			2	3		5	6	7	8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0875	A								GCP		1			4							OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0874	A								GCP			2	3								OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0873	A								GCP			2	3			6	7	8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0872	A								GCP								7	8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0871	A								GCP			2	3	4	5	6	7				OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0870	A								GCP		1		3		5	6	7	8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0869	A								GCP							6					OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0868	A								GCP						5	6		8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0867	A								GCP		1		3		5	6					OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0866	A								GCP			2	3		5	6		8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0865	A								GCP		1					6					OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0864	A								GCP		1		3		5						OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0863	A								GCP			2	3		5			8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0862	A								GCP		1										OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0861	A								GCP									8			OK TO TOOL	OK TO TOOL
KEY D, BLACK	33472-0860				D					GCP					4							OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0859	A								GCP		1	2	3			6	7	8			OK TO TOOL	OK TO TOOL
KEY A, W/CPA, BLACK	33472-0858	A								GCP	CPA	1	2	3		5	6	7				OK TO TOOL	OK TO TOOL
KEY A, W/CPA, BLACK	33472-0857	A								GCP	CPA	1	2			5	6	7				OK TO TOOL	OK TO TOOL
KEY A, W/CPA, BLACK	33472-0856	A								GCP	CPA		2				6	7				OK TO TOOL	OK TO TOOL
KEY D, BLACK	33472-0855				D					GCP		1	2	3	4	5	6	7	8			OK TO TOOL	OK TO TOOL
KEY D, GREEN	33472-0854			D						GCP		1	2	3	4	5	6	7	8	NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
KEY C, BROWN	33472-0853		C							GCP		1	2	3	4	5	6	7	8	NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
KEY B, LIGHT GRAY	33472-0852	B								GCP		1	2	3	4	5	6	7	8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0851	A								GCP		1	2	3	4	5	6	7	8			OK TO TOOL	OK TO TOOL
VOID KEY	33472-0850																						
KEY D, W/CPA, GREEN	33472-0849			D						GCP	CPA	1			4	5			8	NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
KEY C, W/CPA, BROWN	33472-0848		C							GCP	CPA	1			4	5			8	NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
KEY B, W/CPA, LIGHT GRAY	33472-0847	B								GCP	CPA	1			4	5			8			OK TO TOOL	OK TO TOOL
KEY A, W/CPA, BLACK	33472-0846	A								GCP	CPA	1			4	5			8			OK TO TOOL	OK TO TOOL
VOID KEY	33472-0845																						
KEY D, GREEN	33472-0844			D						GCP		1			4	5			8	NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
KEY C, BROWN	33472-0843		C							GCP		1			4	5			8	NOT RECOMMENDED		OK TO TOOL	OK TO TOOL
KEY B, LIGHT GRAY	33472-0842	B								GCP		1			4	5			8			OK TO TOOL	OK TO TOOL
KEY A, BLACK	33472-0841	A								GCP		1			4	5			8			OK TO TOOL	OK TO TOOL

DESCRIPTION	COLOR	MATERIAL
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION D	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	YELLOW	SPS/NYLON GF20
GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
CPA	RED	PBT GF20
PLR	NATURAL	SPS/NYLON GF20
RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE

BOM/APPLICABLE COMPONENTS TABLE

TABLE LEGEND	
ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, OPEN
GCP	GROMMET CAP, PLUGGED
PLR	PRIMARY LOCK REINFORCEMENT
CPA	CONNECTOR POSITION ASSURANCE
WDC	WIRE DRESS COVER

ENTER DESCRIPTION
EC NO: UAU2013-1018 2013/01/04
DRWN: TYE
CH'KD:
APPR: WJOSHY 2013/01/16
DESCRIPTION
REV Y4

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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	D.MARCOUX	DATE 06-13-02
CHECKED BY	DGRIFFITHS	DATE 06-13-02
APPROVED BY	FHOLUB	DATE 06-13-02

MATERIAL NO.: SEE BOM
TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL
molex
DOCUMENT NO.: SD-33472-081
SHEET NO.: 8 OF 9
SIZE: D

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

	ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	D	A	GCO	GCP	CPA	1	2	3	4	5	6	7	8	STATUS	COMMENTS	34951-0810 WDC WITH RIBS	34951-0820 WDC WITHOUT RIBS
													BLOCKED TERMINAL											OPTIONAL ATTATCHMENTS SOLD SEPERATLEY	
			CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																						
(Y3)	KEY B, LIGHT GRAY	33472-0897		B							GCP							6					OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0896	A								GCP		1	2	3	4							OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0895	A								GCP		1	2									OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, BLACK	33472-0894	A								GCP	CPA	1	2	3			6	7	8			OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, BLACK	33472-0893	A								GCP	CPA						6					OK TO TOOL	OK TO TOOL
	KEY A, YELLOW	33472-0892							A	GCO											TOOLED BUT NOT VALIDATED		OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, YELLOW	33472-0891							A	GCO		CPA									TOOLED BUT NOT VALIDATED		OK TO TOOL	OK TO TOOL
	KEY A, W/CPA, YELLOW	33472-0890							A		GCP	CPA		2	3						TOOLED BUT NOT VALIDATED		OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0889	A								GCP		1				5						OK TO TOOL	OK TO TOOL
	KEY B, LIGHT GRAY	33472-0888		B							GCP		1					6					OK TO TOOL	OK TO TOOL
	KEY B, W/CPA, LIGHT GRAY	33472-0887		B							GCP	CPA								8			OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0886	A								GCP				3			6		8			OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0885	A								GCP			2	3	4	5	6		8			OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0884	A								GCP				3			6	7				OK TO TOOL	OK TO TOOL
	KEY A, BLACK	33472-0883	A								GCP			2	3	4	5		7	8			OK TO TOOL	OK TO TOOL
	KEY D, W/CPA, STONE GRAY	33472-0882						D		GCO		CPA											OK TO TOOL	OK TO TOOL
	KEY C, W/CPA, DARK GRAY	33472-0881					C			GCO		CPA											OK TO TOOL	OK TO TOOL

DESCRIPTION	COLOR	MATERIAL
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION D	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	YELLOW	SPS/NYLON GF20
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GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
CPA	RED	PBT GF20
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RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE

BOM/APPLICABLE COMPONENTS TABLE

TABLE LEGEND	
ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, OPEN
GCP	GROMMET CAP, PLUGGED
PLR	PRIMARY LOCK REINFORCEMENT
CPA	CONNECTOR POSITION ASSURANCE
WDC	WIRE DRESS COVER

ENTER DESCRIPTION
EC NO: UAU2013-1018 2013/01/04
DRWN: TYE
CHKD:
APPR: WKOSHY 2013/01/16
DESCRIPTION
REV Y4

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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	D.MARCOUX	06-13-02
CHECKED BY	DGRIFFITHS	06-13-02
APPROVED BY	FHOLUB	06-13-02

TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

molex

MATERIAL NO.: SEE BOM
DOCUMENT NO.: SD-33472-081
SHEET NO.: 9 OF 9
SIZE: D

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