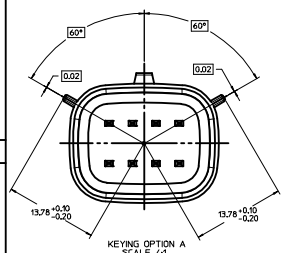
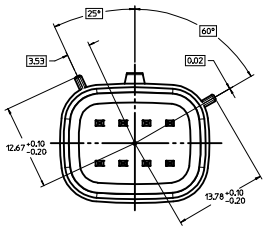


KEYING OPTION A
SCALE 4:1



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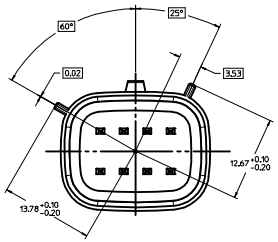
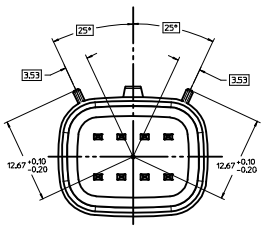


KEYING OPTION C
SCALE 4:1



KEYING OPTION D
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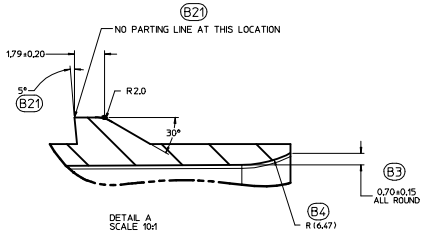
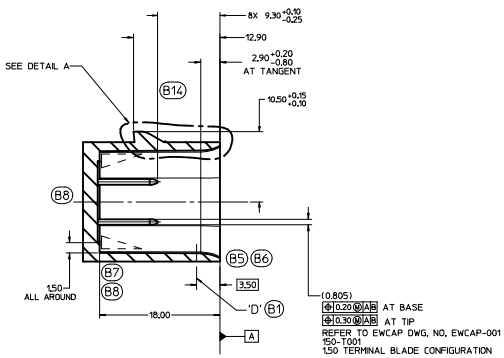
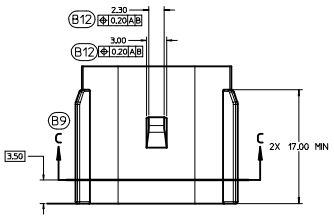
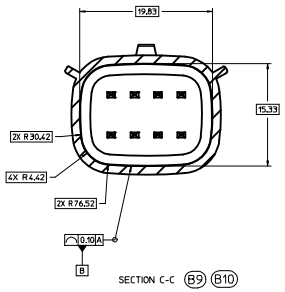


DETAIL A
SCALE 10:1

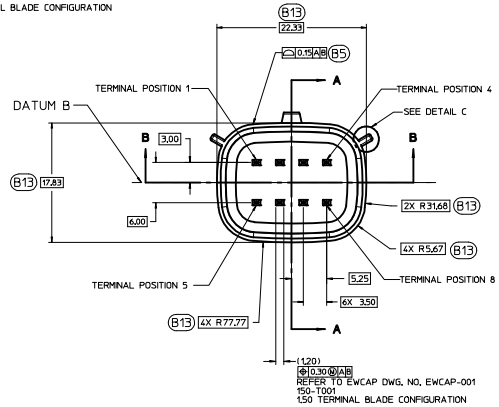


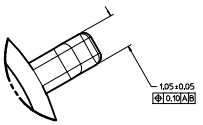
SECTION A-A



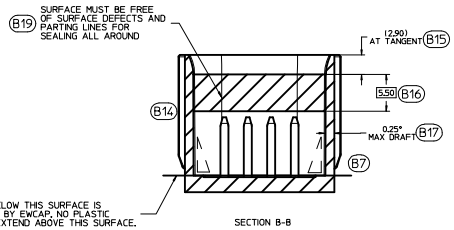


SECTION C-C B9 B10



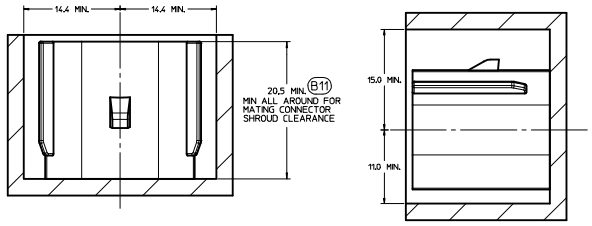


DETAIL C
SCALE 20:1
APPLIES 2X
SEE KEYING OPTION VIEWS
FOR POSITIONS



SECTION B-B

IF HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD.



PACKAGING FRAME

NOTICE

THIS DRAWING OR PORTIONS OF IT, ARE CONTROLLED BY THE ELECTRICAL WIRING COMPONENTS APPLICATION PARTNERSHIP (EWCAP). A SUBGROUP OF THE UNITED STATES CONSORTIUM FOR AUTOMOTIVE RESEARCH LLC (USCAR). USCAR B20 IS A PARTNERSHIP BETWEEN CHRYSLER GROUP LLC, FORD MOTOR COMPANY, AND GENERAL MOTORS CORPORATION ANY CHANGE TO A EWCAP CONTROLLED PORTION OF THIS DRAWING, INCLUDING A "RECORD CHANGE" MUST BE APPROVED, IN WRITING, BY THE RESPONSIBLE EWCAP MEMBER FROM EACH USCAR COMPANY. EACH EWCAP MEMBER AUTHORIZED TO SIGN FOR HIS OR HER COMPANY IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS WITHIN THAT COMPANY PRIOR TO SIGNING FOR APPROVAL OF THE CHANGE. EWCAP EXPRESSLY PROHIBITS ANY PARTY FROM CHANGING EITHER ANY EWCAP CONTROLLED PORTION OF THIS DRAWING OR ANY ASSOCIATED TOOLING BEFORE RECEIVING AN APPROVAL SIGNED BY AN AUTHORIZED REPRESENTATIVE FROM EACH EWCAP PARTNER. REFERENCE TO THE SIGNED APPROVAL FORM MUST BE ENTERD IN THIS DRAWING'S CONTROL COLUMN.

NOTES: UNLESS OTHERWISE SPECIFIED B18

1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
3. 0.25 RADII ON ALL CORNERS SHOWN SHARP.
4. UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED.
5. STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
6. REFER TO "SAE/USCAR-12 CONNECTOR GUIDELINES" FOR ADDITIONAL REQUIREMENTS.
7. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE.
8. ⌿ ⊂ ⌉ SYMBOL INDICATES DRAFT DIRECTION.
9. FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS DRAWING SEE EWCAP DRW. NO. EWCAP-001
10. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES" FOR ADDITIONAL INFORMATION.
11. REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE http://www.uscarteams.org
12. 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.

095	B22	CHANGED ISO VIEW SCALE TO 4:1, WAS 1:1			
095	B21	ADDED PARTING LINE NOTE TO DETAIL A, REMOVED NOTE BACK ANGLE OPTIONAL FROM 5°			
095	B20	CORRECTED CHRYSLER GROUP LLC NOMENCLATURE			
095	B19	MOVED NOTE TO SECTION B-B			
095	B18	UPDATED NOTES			
095	B17	ADDED 0.25° MAX DRAFT ANGLE ALL AROUND			
095	B16	ADDED 5.50			
095	B15	ADDED AT TANGENT NOTE			
095	B14	REMOVED DATUM D			
095	B13	ADDED BASIC DIMENSIONS FOR PROFILE CONTROL			
095	B12	ADDED 0.20 A B			
095	B11	DIMENSIONED TO DATUM A			
095	B10	SEALING SURFACE DIMENSIONS MOVED TO SECTION C-C			
095	B9	ADDED SECTION C-C			
095	B8	REMOVED 15.20 AND 2.50 FROM SECTION A-A			
095	B7	ADDED DRAFT ANGLE DIRECTION			
095	B6	REMOVED 0.80 +0.10/-0.20 ALL AROUND			
095	B5	REPLACED WALL THICKNESS CONTROL WITH PROFILE OF A SURFACE			
095	B4	ADDED R(6.47)			
095	B3	ADDED 0.70 +0.15 ALL AROUND			
095	B2	UPDATED CONNECTOR COLORS			
095	B1	SURFACE 'D' RELOCATED TO 3.50 WAS AT 8.20	03-21-12	KC	MV
	A	RELEASED	10-17-07	MV	DG
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK

150-S-008-2-D02	D	BLACK
150-S-008-2-C02	C	DK GRAY
150-S-008-2-B02	B	LT GRAY
150-S-008-2-A02	A	BLACK
EWCAP P/N	OPTION	MATING CONNECTOR COLOR

B2

TOLERANCES (UNLESS OTHERWISE SPECIFIED)
DIMENSIONS ARE IN MILLIMETERS
ANGLES ±3°
X ±0.2 XX ±0.10
THIRD ANGLE PROJECTION

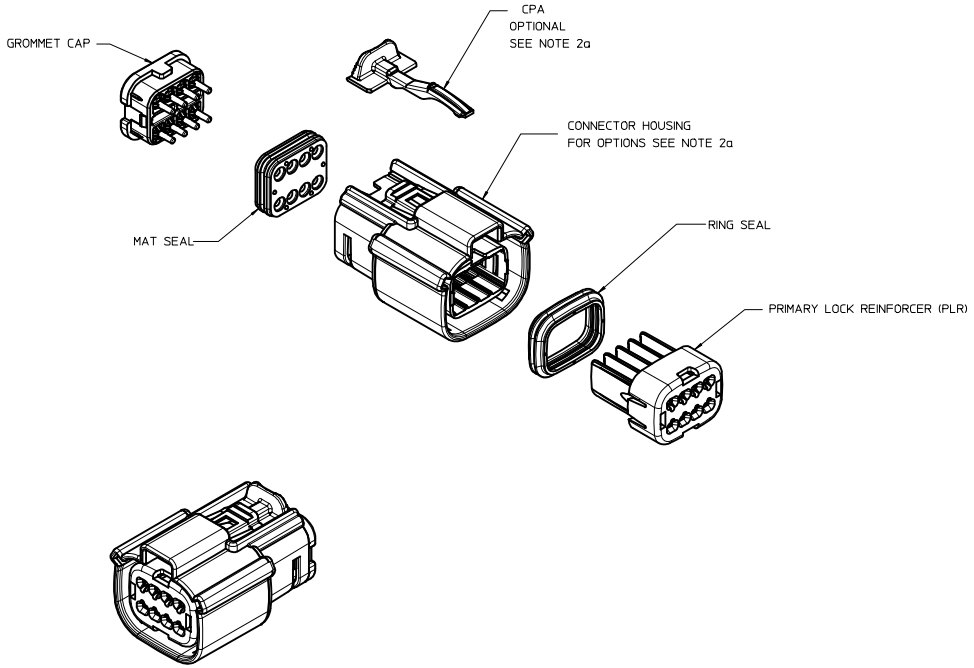
EWCAP

SCALE 4:1 | DRAWN BY K.CUNNINGHAM | CHECKED BY M.VANSLAMBROUCK | DATE 03-21-12

TITLE
DIRECT CONNECT INTERFACE
8 WAY (2 X 4) 1.5 MM SEALED MALE

SHEET 1 OF 1 | DRAWING NUMBER 150-S-008-2-Z02 | SIZE E | DO NOT SCALE DRAWING COMPUTER AIDED DRAWING | REVISION LEVEL B

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATIONS



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 AS SPECIFIED IN SD-33472-082

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
Z	MOVE THE BOM TO SD-33472-082
Y10	UPDATED DIMENSIONS TO MATCH MODEL

ENTER DESCRIPTION
EC NO: UAU2014-0008 2013/07/02
DRWN: TYE 2013/08/26
CHKD:
APPR: WKOSHY
DESCRIPTION
REV Z

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 NOTE 2a	

SCALE 2:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION

TITLE
MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

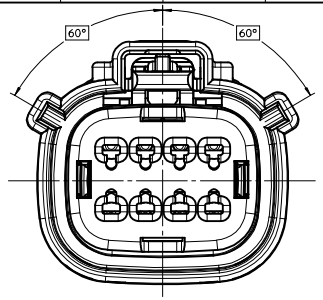
molex

DOCUMENT NO. SD-33472-081
SHEET NO. 1 OF 6

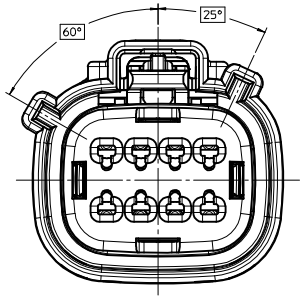
SIZE D

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

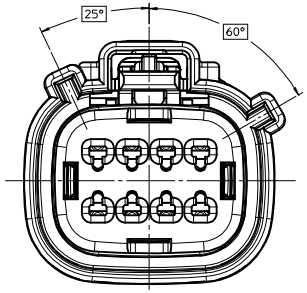
KEY CONFIGURATIONS



KEY A



KEY B



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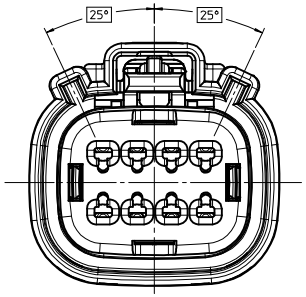
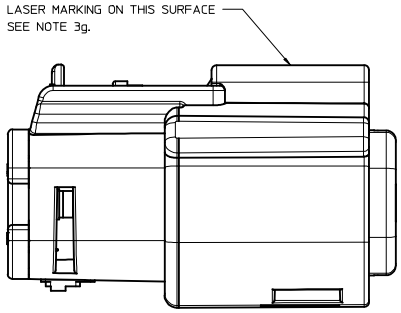
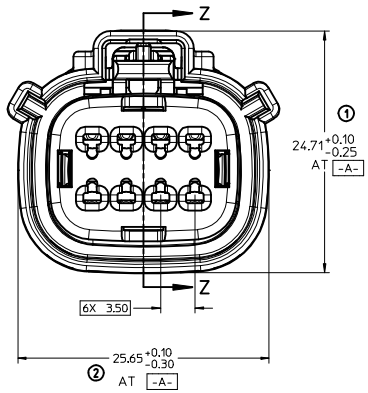


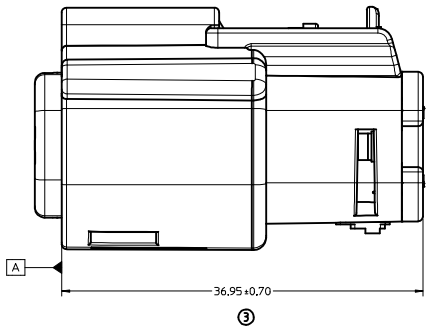
KEY D

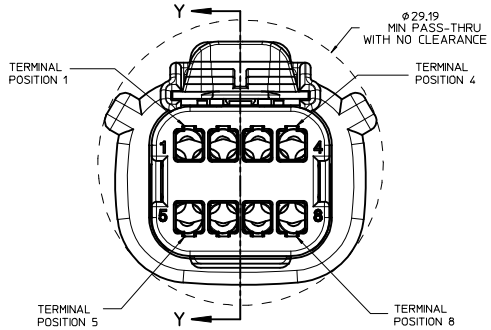
ENTER DESCRIPTION EC NO: UAU2014-0008 DRWN:TYE 2013/07/02 CHKD: APPR:WJOSHY 2013/08/26 DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.10 / ± --- 1 PLACE ± 0.3 / ± --- 0 PLACE ± / ± ANGULAR ± 3 ° DRAFT 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 NOTE 2a	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 6	REV: Z SIZE: D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

RECEPTACLE SEALED ASSEMBLY

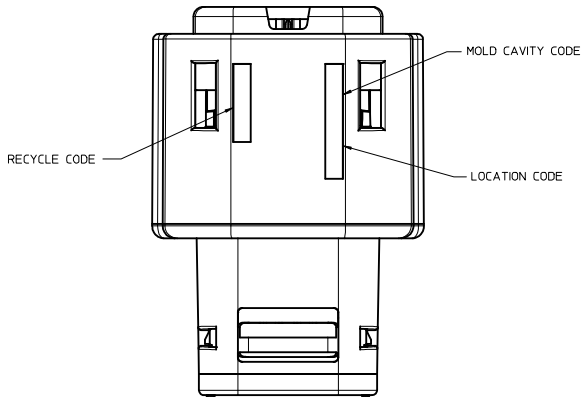


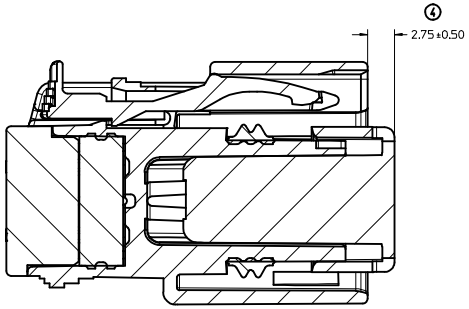






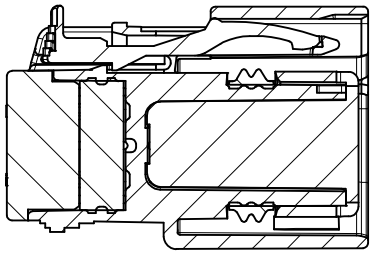
REAR VIEW
(WIRE HARNESS SIDE)





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: UAU2014-0008 2013/07/02
DRWN: TYE 2013/08/26
CHKD:
APPR: WOSHY
DESCRIPTION
Z
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

MATERIAL NO.: SEE NOTE 2a
SIZE: D

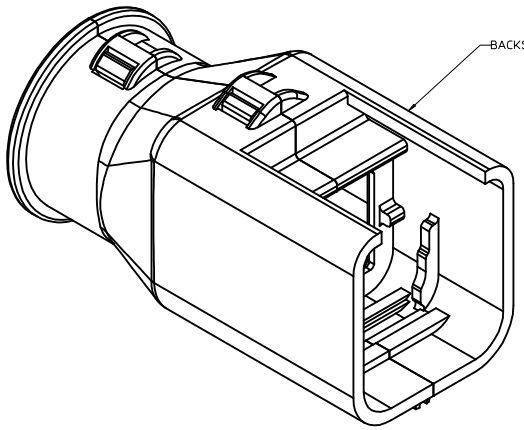
TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

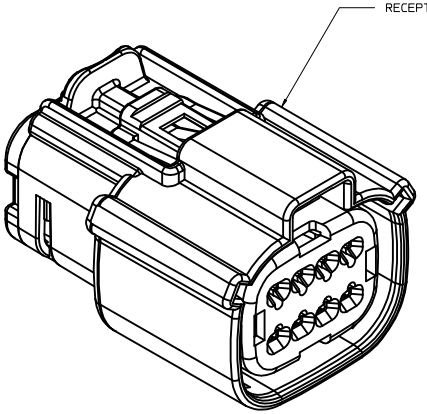
molex

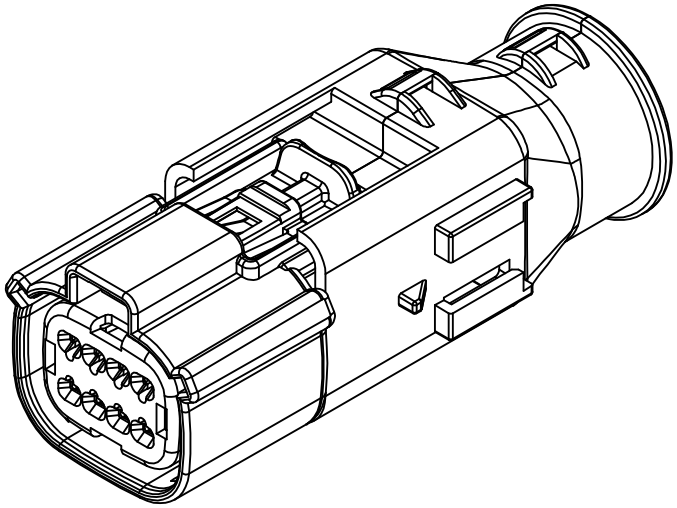
DOCUMENT NO.: SD-33472-081
SHEET NO.: 3 OF 6

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

BACKSHELL NOTES







BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-34951-001
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-081.
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
-BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
-FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34951-0001.

ENTER DESCRIPTION
EC NO: UAU2014-0008 2013/07/02
DRWN: TYE
CHKD:
APPR: WKOSHY 2013/08/26
DESCRIPTION
Z
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

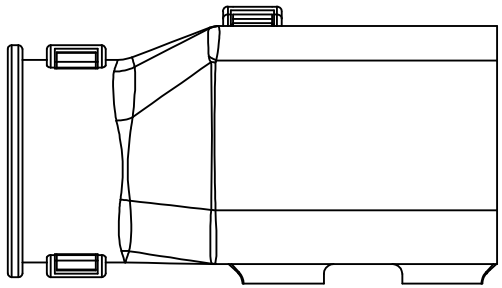
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

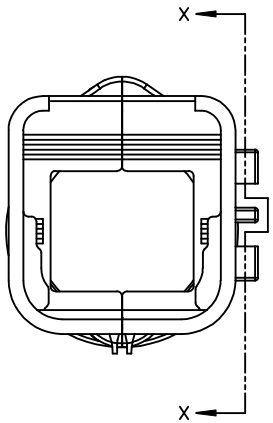
DRAWN BY	D.MARCOUX	DATE 06-13-02
CHECKED BY	DGRIFFITHS	DATE 06-13-02
APPROVED BY	FHOLUB	DATE 06-13-02
MATERIAL NO.	SEE NOTE 2a	

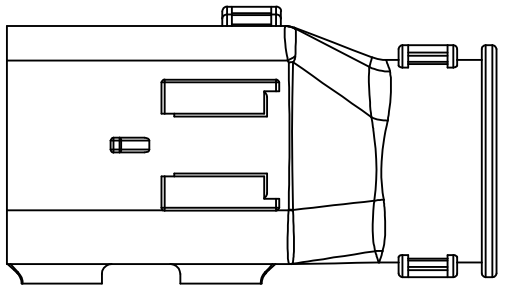
TITLE: MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL
molex
DOCUMENT NO.: SD-33472-081
SHEET NO.: 4 OF 6
SIZE: D

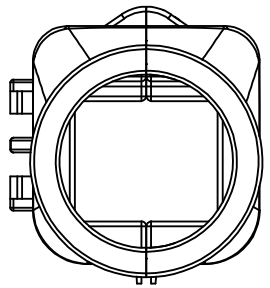
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

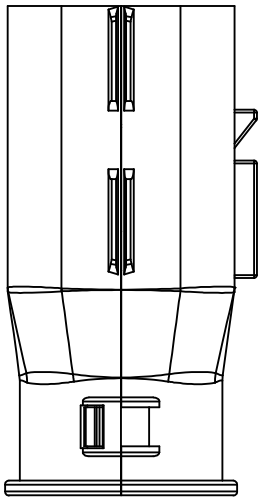
BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION

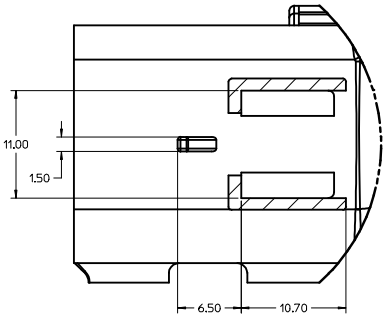








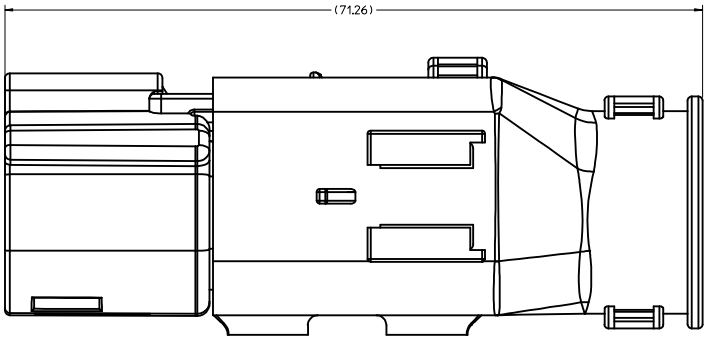


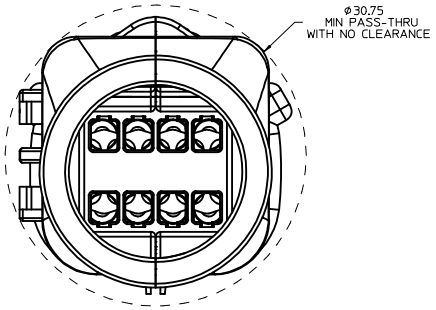


Partial X-X
SCALE 4:1

ENTER DESCRIPTION EC NO: UAU2014-0008 DRWN: TYE CHKD: APPR: WKOSHY	2013/07/02 2013/08/26	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 NOTE 2a 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.: 5 OF 6	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

BACKSHELL CONFIGURATIONS



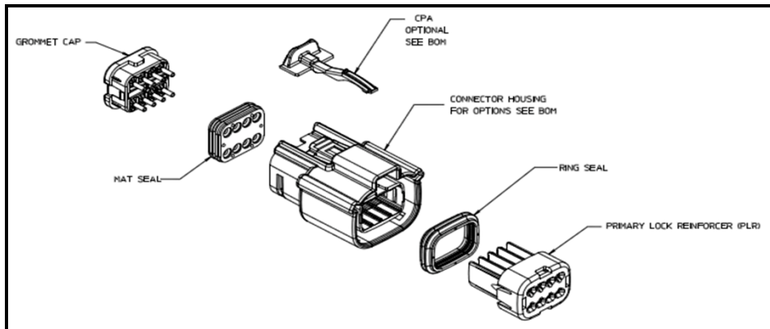


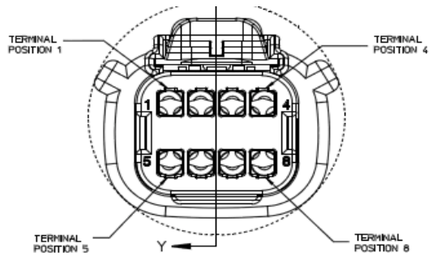
RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO: UAU2014-0008 2013/07/02 DRWN: TYE CHKD: APPR: WOSHY 2013/08/26 DESCRIPTION Z 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 NOTE 2a 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. 6 OF 6	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

molex

MX150 2X4 WAY RECEPTACLE ASSY SEALED BOM AND PIN OUT SHEET





ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK	HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
B-LG	HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
C-BR	HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
D-GRN	HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
D-BLK	HOUSING KEYING OPTION D	BLACK	SPS/NYLON GF20
C-DG	HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
D-SG	HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
A-Y	HOUSING KEYING OPTION A	YELLOW	SPS/NYLON GF20
GCO	GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
GCP	GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
PLR	PLR	NATURAL	SPS/NYLON GF20
CPA	CPA	RED	PBT GF20
M	MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE

FOR ADDITIONAL INFORMATION SEE SD-33472-081

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPERATELY	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION											
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8			BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
KEY A, BLACK, W/O CPA	33472-0801	A-BLK	GCO	PLR		M	R											34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0802	B-LG	GCO	PLR		M	R											34951-0810	34951-0820
KEY C, BROWN, W/O CPA	33472-0803	C-BR	GCO	PLR		M	R									NOT RECOMMENDED USE	PLEASE USE P/N 33472-0879	34951-0810	34951-0820
KEY D, GREEN, W/O CPA	33472-0804	D-GRN	GCO	PLR		M	R									NOT RECOMMENDED USE	PLEASE USE P/N 33472-0880	34951-0810	34951-0820
KEY D, BLACK, W/O CPA	33472-0805	D-BLK	GCO	PLR		M	R											34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0806	A-BLK	GCO	PLR	CPA	M	R											34951-0810	34951-0820
KEY B, LIGHT GRAY, W/CPA	33472-0807	B-LG	GCO	PLR	CPA	M	R											34951-0810	34951-0820
KEY C, BROWN, W/CPA	33472-0808	C-BR	GCO	PLR	CPA	M	R									NOT RECOMMENDED USE	PLEASE USE P/N 33472-0881	34951-0810	34951-0820
KEY D, GREEN, W/CPA	33472-0809	D-GRN	GCO	PLR	CPA	M	R									NOT RECOMMENDED USE	PLEASE USE P/N 33472-0882	34951-0810	34951-0820
VOID KEY	33472-0810																		
KEY A, BLACK, W/O CPA	33472-0811	A-BLK	GCP	PLR		M	R				4							34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0812	B-LG	GCP	PLR		M	R				4							34951-0810	34951-0820
KEY C, BROWN, W/O CPA	33472-0813	C-BR	GCP	PLR		M	R				4					NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/O CPA	33472-0814	D-GRN	GCP	PLR		M	R				4					NOT RECOMMENDED		34951-0810	34951-0820
VOID KEY	33472-0815																		
KEY A, BLACK, W/CPA	33472-0816	A-BLK	GCP	PLR	CPA	M	R				4							34951-0810	34951-0820
KEY B, LIGHT GRAY, W/CPA	33472-0817	B-LG	GCP	PLR	CPA	M	R				4							34951-0810	34951-0820
KEY C, BROWN, W/CPA	33472-0818	C-BR	GCP	PLR	CPA	M	R				4					NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/CPA	33472-0819	D-GRN	GCP	PLR	CPA	M	R				4					NOT RECOMMENDED	PLEASE USE P/N 33472-1009	34951-0810	34951-0820
VOID KEY	33472-0820																		
KEY A, BLACK, W/O CPA	33472-0821	A-BLK	GCP	PLR		M	R				4	5						34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0822	B-LG	GCP	PLR		M	R				4	5						34951-0810	34951-0820
KEY C, BROWN, W/O CPA	33472-0823	C-BR	GCP	PLR		M	R				4	5				NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/O CPA	33472-0824	D-GRN	GCP	PLR		M	R				4	5				NOT RECOMMENDED		34951-0810	34951-0820
VOID KEY	33472-0825																		
KEY A, BLACK, W/CPA	33472-0826	A-BLK	GCP	PLR	CPA	M	R				4	5						34951-0810	34951-0820
KEY B, LIGHT GRAY, W/CPA	33472-0827	B-LG	GCP	PLR	CPA	M	R				4	5						34951-0810	34951-0820
KEY C, BROWN, W/CPA	33472-0828	C-BR	GCP	PLR	CPA	M	R				4	5				NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/CPA	33472-0829	D-GRN	GCP	PLR	CPA	M	R				4	5				NOT RECOMMENDED	PLEASE USE P/N 33472-1010	34951-0810	34951-0820
VOID KEY	33472-0830																		
KEY A, BLACK, W/O CPA	33472-0831	A-BLK	GCP	PLR		M	R	1			4	5						34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0832	B-LG	GCP	PLR		M	R	1			4	5						34951-0810	34951-0820
KEY C, BROWN, W/O CPA	33472-0833	C-BR	GCP	PLR		M	R	1			4	5				NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/O CPA	33472-0834	D-GRN	GCP	PLR		M	R	1			4	5				NOT RECOMMENDED		34951-0810	34951-0820
VOID KEY	33472-0835																		
KEY A, BLACK, W/CPA	33472-0836	A-BLK	GCP	PLR	CPA	M	R	1			4	5						34951-0810	34951-0820
KEY B, LIGHT GRAY, W/CPA	33472-0837	B-LG	GCP	PLR	CPA	M	R	1			4	5						34951-0810	34951-0820
KEY C, BROWN, W/CPA	33472-0838	C-BR	GCP	PLR	CPA	M	R	1			4	5				NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/CPA	33472-0839	D-GRN	GCP	PLR	CPA	M	R	1			4	5				NOT RECOMMENDED		34951-0810	34951-0820
VOID KEY	33472-0840																		
KEY A, BLACK, W/O CPA	33472-0841	A-BLK	GCP	PLR		M	R	1			4	5			8			34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0842	B-LG	GCP	PLR		M	R	1			4	5			8			34951-0810	34951-0820
KEY C, BROWN, W/O CPA	33472-0843	C-BR	GCP	PLR		M	R	1			4	5			8	NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/O CPA	33472-0844	D-GRN	GCP	PLR		M	R	1			4	5			8	NOT RECOMMENDED		34951-0810	34951-0820

molex

MX150 2X4 WAY RECEPTACLE ASSY SEALED BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPERATELY	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION											
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8			BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
VOID KEY	33472-0845																		
KEY A, BLACK, W/CPA	33472-0846	A-BLK	GCP	PLR	CPA	M	R	1			4	5			8			34951-0810	34951-0820
KEY B, LIGHT GRAY, W/CPA	33472-0847	B-LG	GCP	PLR	CPA	M	R	1			4	5			8			34951-0810	34951-0820
KEY C, BROWN, W/CPA	33472-0848	C-BR	GCP	PLR	CPA	M	R	1			4	5			8	NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/CPA	33472-0849	D-GRN	GCP	PLR	CPA	M	R	1			4	5			8	NOT RECOMMENDED		34951-0810	34951-0820
VOID KEY	33472-0850																		
KEY A, BLACK, W/O CPA	33472-0851	A-BLK	GCP	PLR		M	R	1	2	3	4	5	6	7	8			34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0852	B-LG	GCP	PLR		M	R	1	2	3	4	5	6	7	8			34951-0810	34951-0820
KEY C, BROWN, W/O CPA	33472-0853	C-BR	GCP	PLR		M	R	1	2	3	4	5	6	7	8	NOT RECOMMENDED		34951-0810	34951-0820
KEY D, GREEN, W/O CPA	33472-0854	D-GRN	GCP	PLR		M	R	1	2	3	4	5	6	7	8	NOT RECOMMENDED		34951-0810	34951-0820
KEY D, BLACK, W/O CPA	33472-0855	D-BLK	GCP	PLR		M	R	1	2	3	4	5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0856	A-BLK	GCP	PLR	CPA	M	R		2				6	7				34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0857	A-BLK	GCP	PLR	CPA	M	R	1	2			5	6	7				34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0858	A-BLK	GCP	PLR	CPA	M	R	1	2	3		5	6	7				34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0859	A-BLK	GCP	PLR		M	R	1	2	3			6	7	8			34951-0810	34951-0820
KEY D, BLACK, W/O CPA	33472-0860	D-BLK	GCP	PLR		M	R				4							34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0861	A-BLK	GCP	PLR		M	R								8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0862	A-BLK	GCP	PLR		M	R	1										34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0863	A-BLK	GCP	PLR		M	R		2	3		5			8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0864	A-BLK	GCP	PLR		M	R	1		3		5						34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0865	A-BLK	GCP	PLR		M	R	1					6					34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0866	A-BLK	GCP	PLR		M	R		2	3		5	6		8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0867	A-BLK	GCP	PLR		M	R	1		3		5	6					34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0868	A-BLK	GCP	PLR		M	R					5	6		8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0869	A-BLK	GCP	PLR		M	R						6					34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0870	A-BLK	GCP	PLR		M	R	1		3		5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0871	A-BLK	GCP	PLR		M	R		2	3	4	5	6	7				34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0872	A-BLK	GCP	PLR		M	R							7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0873	A-BLK	GCP	PLR		M	R		2	3			6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0874	A-BLK	GCP	PLR		M	R		2	3								34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0875	A-BLK	GCP	PLR		M	R	1			4							34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0876	A-BLK	GCP	PLR		M	R		2	3		5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0877	A-BLK	GCP	PLR	CPA	M	R								8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0878	A-BLK	GCP	PLR		M	R			3		5	6					34951-0810	34951-0820
KEY C, DARK GRAY, W/O CPA	33472-0879	C-DG	GCO	PLR		M	R											34951-0810	34951-0820
KEY D, STONE GRAY, W/O CPA	33472-0880	D-SG	GCO	PLR		M	R											34951-0810	34951-0820
KEY C, DARK GRAY, W/CPA	33472-0881	C-DG	GCO	PLR	CPA	M	R											34951-0810	34951-0820
KEY D, STONE GRAY, W/CPA	33472-0882	D-SG	GCO	PLR	CPA	M	R											34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0883	A-BLK	GCP	PLR		M	R		2	3	4	5		7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0884	A-BLK	GCP	PLR		M	R			3			6	7				34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0885	A-BLK	GCP	PLR		M	R		2	3	4	5	6		8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0886	A-BLK	GCP	PLR		M	R			3			6		8			34951-0810	34951-0820
KEY B, LIGHT GRAY, W/CPA	33472-0887	B-LG	GCP	PLR	CPA	M	R								8			34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-0888	B-LG	GCP	PLR		M	R	1					6					34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0889	A-BLK	GCP	PLR		M	R	1				5						34951-0810	34951-0820
KEY A, YELLOW, W/CPA	33472-0890	A-Y	GCP	PLR	CPA	M	R		2	3								34951-0810	34951-0820
KEY A, YELLOW, W/CPA	33472-0891	A-Y	GCO	PLR	CPA	M	R											34951-0810	34951-0820
KEY A, YELLOW, W/O CPA	33472-0892	A-Y	GCO	PLR		M	R											34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0893	A-BLK	GCP	PLR	CPA	M	R						6					34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-0894	A-BLK	GCP	PLR	CPA	M	R	1	2	3			6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-0895	A-BLK	GCP	PLR		M	R	1	2									34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1001	A-BLK	GCP	PLR		M	R	1	2	3	4							34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-1002	B-LG	GCP	PLR		M	R						6					34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1003	A-BLK	GCP	PLR		M	R	1			4							34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1004	A-BLK	GCP	PLR		M	R		2	3		5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1005	A-BLK	GCP	PLR	CPA	M	R								8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1006	A-BLK	GCP	PLR		M	R	1	2	3	4	5	6					34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1007	A-BLK	GCP	PLR	CPA	M	R						6	7				34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1008	A-BLK	GCP	PLR	CPA	M	R							7				34951-0810	34951-0820
KEY D, STONE GRAY, W/CPA	33472-1009	D-SG	GCP	PLR	CPA	M	R				4							34951-0810	34951-0820

molex

MX150 2X4 WAY RECEPTACLE ASSY SEALED BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPERATELY	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION											
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8			BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
KEY D, STONE GRAY, W/CPA	33472-1010	D-SG	GCP	PLR	CPA	M	R				4	5						34951-0810	34951-0820
KEY D, STONE GRAY, W/CPA	33472-1011	D-SG	GCP	PLR	CPA	M	R				4	5	6					34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1012	A-BLK	GCP	PLR		M	R				4			7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1013	A-BLK	GCP	PLR	CPA	M	R			3	4	5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1014	A-BLK	GCP	PLR		M	R			3	4	5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1015	A-BLK	GCP	PLR	CPA	M	R				4			7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1016	A-BLK	GCP	PLR		M	R						6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1017	A-BLK	GCP	PLR		M	R	1		3	4				8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1018	A-BLK	GCP	PLR	CPA	M	R					5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1019	A-BLK	GCP	PLR	CPA	M	R							7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1020	A-BLK	GCP	PLR	CPA	M	R		2	3	4		6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1021	A-BLK	GCP	PLR	CPA	M	R	1	2	3	4	5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/CPA	33472-1022	A-BLK	GCP	PLR	CPA	M	R	1				5						34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1023	A-BLK	GCP	PLR		M	R					5	6	7	8			34951-0810	34951-0820
KEY A, BLACK, W/O CPA	33472-1024	A-BLK	GCP	PLR		M	R			3	4							34951-0810	34951-0820
KEY D, STONE GRAY, W/O CPA	33472-1025	D-SG	GCP	PLR		M	R				4	5	6					34951-0810	34951-0820
KEY D, STONE GRAY, W/O CPA	33472-1026	D-SG	GCP	PLR		M	R				4							34951-0810	34951-0820
KEY B, LIGHT GRAY, W/O CPA	33472-1027	B-LG	GCP	PLR		M	R							7	8			34951-0810	34951-0820