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4	RECEPTACLE CONNECTOR ASSEMBLY

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 OR CONNECTOR AS SPECIFIED IN THE MATING INTERFACE/CONNECTOR DRAWINGS CHART.

\*DENOTES DRAWINGS THAT CAN BE ACCESSED AT <<http://ewcap.uscarteams.org/>>.

-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION  
ISEE PLR PRE-LOCK VIEW SHEET 4).

b. PRODUCT SPECIFICATION SEE: PS-33476-000

CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS.

c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE PACKAGING CHART

d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEH5-699000-300

e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:

a. SEE BOM TABLE IN SD-34985-8002

3. DESIGN - GEOMETRY:

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

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

c. EDGES AND UNDIMENSIONED DETAILS PER ISO1375

d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.

e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.

f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).

g. LASER MARKING:

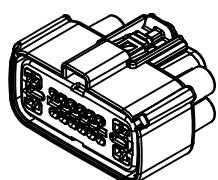
1. PART NUMBER

2. DAY OF THE YEAR

3. SHIFT

4. YEAR

FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.



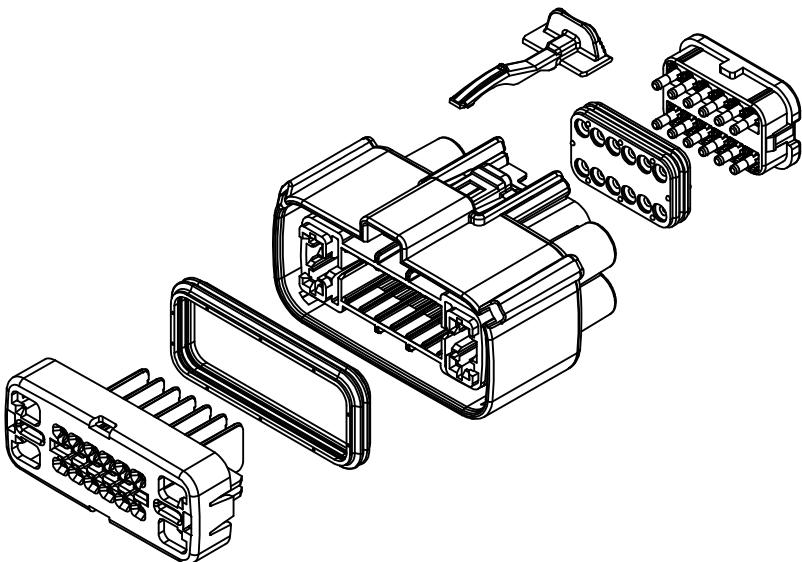
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## PACKAGING

DESCRIPTION	DRAWING NO.
W/ CLIPSLOT	PK-30907-895
W/O CLIPSLOT	PK-31300-094

## MATING INTERFACE/CONNECTOR DRAWINGS

DESCRIPTION	INTERFACE DEFINITION	MOLEX INLINE
W/O SHORTING BAR	*999-S-016-2-Z02	SD-34986-8001
W/ SHORTING BAR	N/A	SD-34986-8001

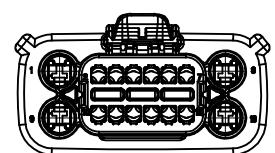
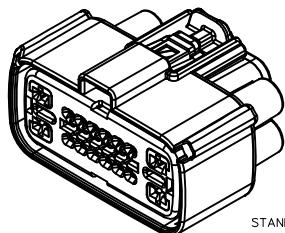


ENTER DESCRIPTION EC NO: UAU2015-0529 DRAWN/PROFITT 2014/10/02 CHKD: APPR: WOSH REV: D		REMOVED: DRAWN BY TITLE		REV	REV DESCRIPTION SCALE 1.5:1	
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	mm INCH		DRAWN BY KCUNNINGHAM	DATE 2011/10/27		
	4 PLACES $\pm$ ---		CHECKED BY	DATE	MX150 16 WAY HYBRID	
	3 PLACES $\pm$ ---				RECPT SEALED ASSEMBLY	
	2 PLACES $\pm$ 0.1					
1 PLACE $\pm$ 0.3						
0 PLACE $\pm$ $\pm$						
ANGULAR $\pm$ 3°		MATERIAL NO. SEE NOTE 2a.		DOCUMENT NO. SD-34985-8001		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 4		

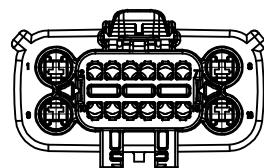
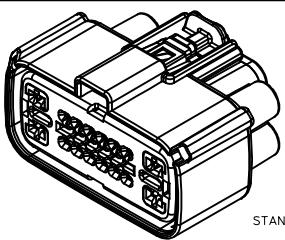
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

**SHEET DESCRIPTION**

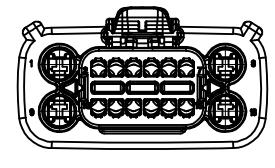
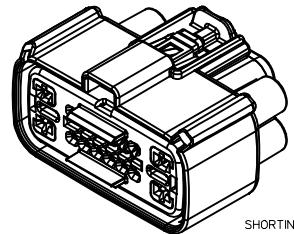
CONFIGURATIONS



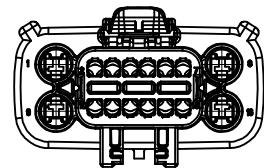
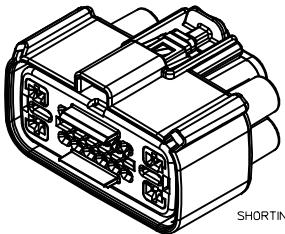
STANDARD (STD) - ALL OPEN 2.8mm CAVITIES



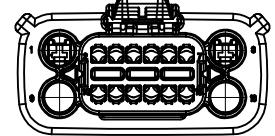
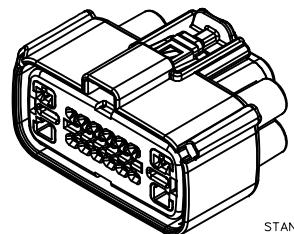
STANDARD (STD) - ALL OPEN 2.8mm CAVITIES  
WITH CLIP SLOT



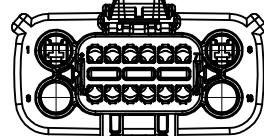
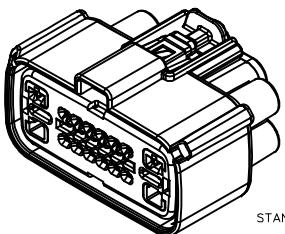
SHORTING (SHRT) BAR - ALL OPEN 2.8mm CAVITIES



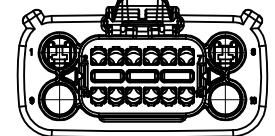
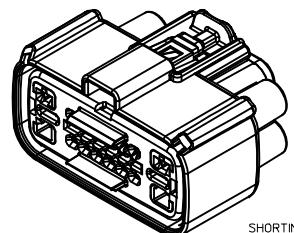
SHORTING (SHRT) BAR - ALL OPEN 2.8mm CAVITIES  
WITH CLIP SLOT



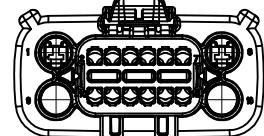
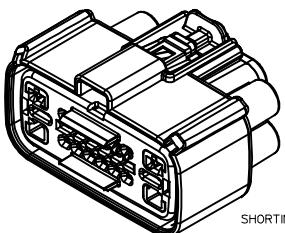
STANDARD (STD) - BLOCKED 2.8mm CAVITIES



STANDARD (STD) - BLOCKED 2.8mm CAVITIES  
WITH CLIP SLOT



SHORTING (SHRT) BAR - BLOCKED 2.8mm CAVITIES



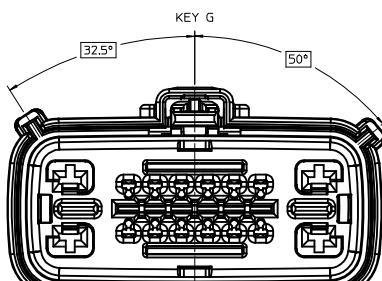
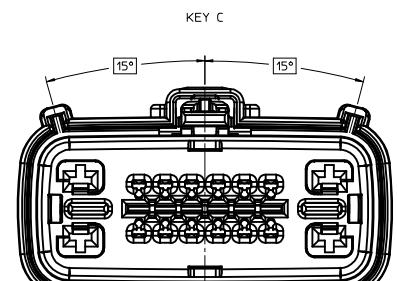
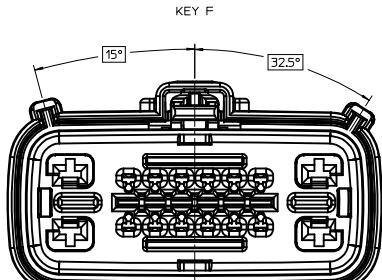
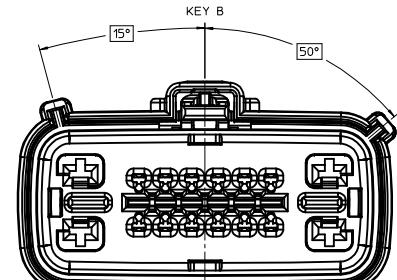
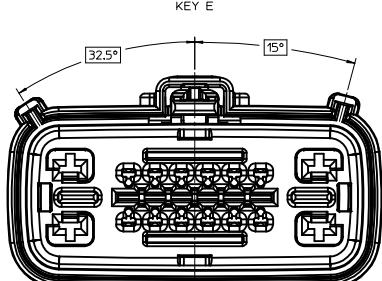
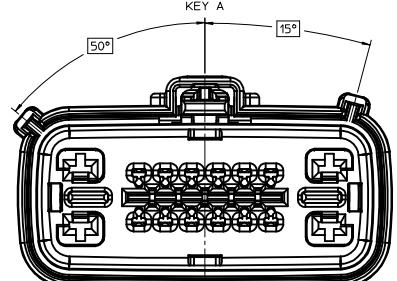
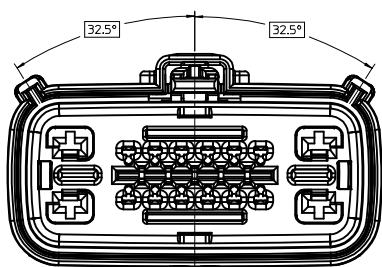
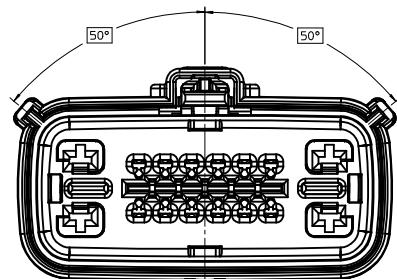
SHORTING (SHRT) BAR - BLOCKED 2.8mm CAVITIES  
WITH CLIP SLOT

ENTER DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
FC NO: UAI2015-0529 DRAWN BY: CH KKO REV: D		mm INCH	DRAWN BY KCUNNINGHAM 2011/10/27	DATE CHECKED BY APR: KOSHY 2014/10/09	DATE	TITLE MX150 16 WAY HYBRID RECEPT SEALED ASSEMBLY	
DRAFT WHERE APPLICABLE MATERIAL NO. SEE NOTE 2a. SD-34985-8001		QUALITY SYMBOLS ▽ =0 ▽ =0 ▽ =0	APPROVED BY REV: D	DATE	SHEET NO. 2 OF 4		
		REV: D	REV: D	REV: D	SIZE A1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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

**SHEET DESCRIPTION**

KEY CONFIGURATIONS



ib.frame\_A1\_P\_AM\_T  
Rev. G 2012/01/11

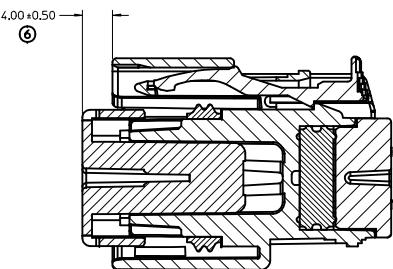
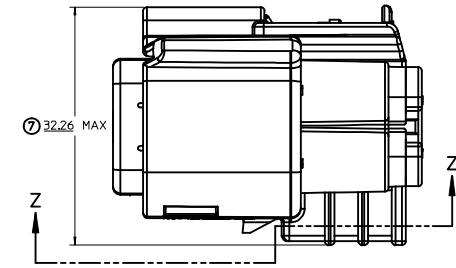
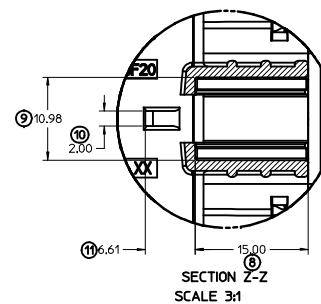
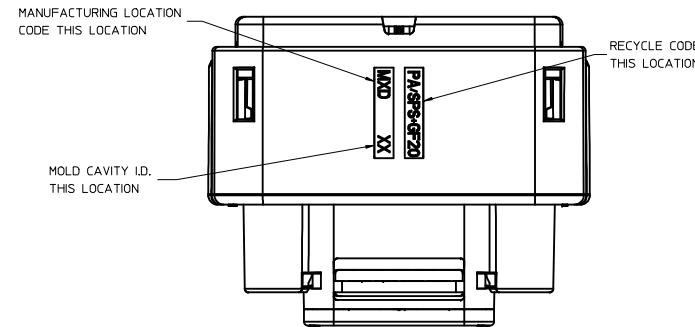
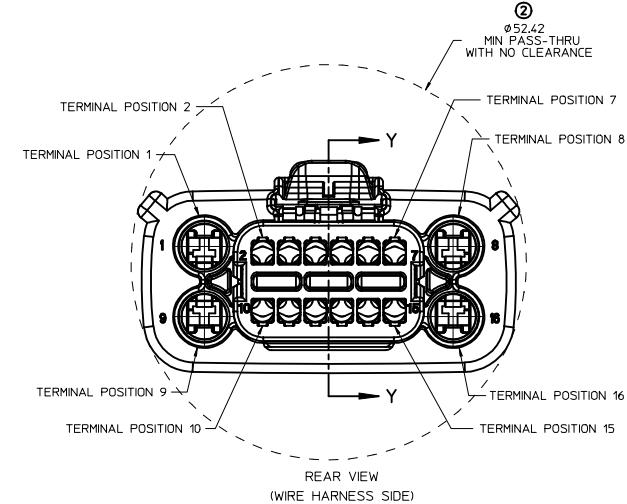
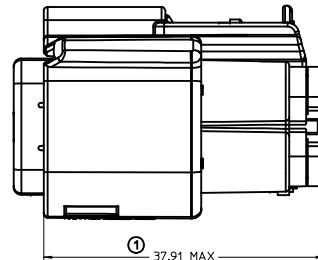
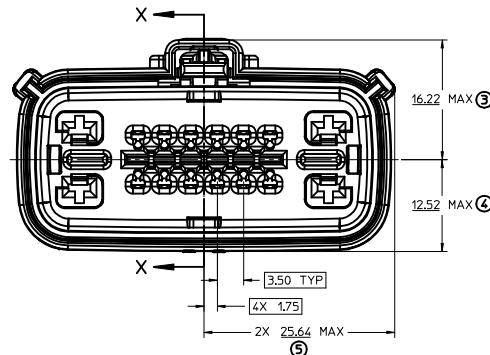
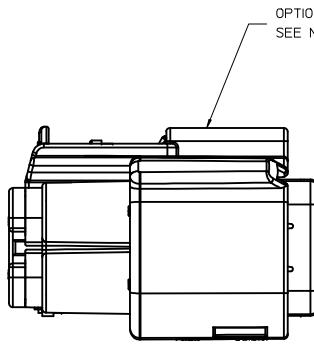
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

ENTER DESCRIPTION		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY D DRAWN BY: KUNNINGHAM CH: KUNNINGHAM APPR: KUNNINGHAM REV: 2014/10/02	DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
FC NO.	DATE		mm	INCH					
UAI2015-0529	2014/10/02	4 PLACES	±---	±---	KUNNINGHAM 2011/10/27				
		3 PLACES	±---	±---					
		2 PLACES	±0.1	±---					
		1 PLACE	±0.3	±---					
		0 PLACE	±	±					
		ANGULAR $\pm 3^\circ$							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
		SEE NOTE 2a.				MATERIAL NO.	DOCUMENT NO.		
						SD-34985-8001			
						SHEET NO.	3 OF 4		
						A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

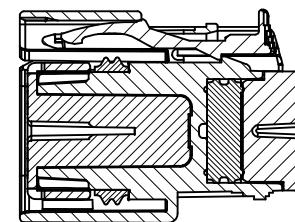
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

**SHEET DESCRIPTION**

RECEPTACLE CONNECTOR ASSEMBLY



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



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

ENTER DESCRIPTION		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	DRAWN BY K.CUNNINGHAM 2014/10/02 CHECKED BY DATE	TITLE MX150 16 WAY HYBRID RECEPTACLE ASSEMBLY
FC NO.	REV		mm	INCH					
UAI2015-059		▽=0	4 PLACES	±---	±---				
		▽=0	3 PLACES	±---	±---				
		▽=0	2 PLACES	± 0.1	±				
		▽=0	1 PLACE	± 0.3	±---	APPROVED BY	DATE		
		▽=0	0 PLACE	±	±				
					ANGULAR ± 3 °				
					DRAFT WHERE APPROPRIATE				
					MUST REMAIN WITHIN DIMENSIONS				
					SEE NOTE 2a.				

ENTER DESCRIPTION  
FC NO: UAI2015-059  
REV: D  
DRAWN BY: CHKC  
APPR: KOSHY  
REV: 0

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

mm INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.1 ±

1 PLACE ± 0.3 ± ---

0 PLACE ± ±

ANGULAR ± 3 °

DRAFT WHERE APPROPRIATE

MUST REMAIN  
WITHIN DIMENSIONS

SEE NOTE 2a.

APPROVED BY

DATE

DATE

DATE

DATE

DATE

DATE

DATE

**molex**

SD-34985-8001

4 OF 4

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