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Part Number:

0340801001

Status:

Active

Overview:

mx150_sealed_connector_system

Description:

MX150™ Male Cable Seal Terminal, Tin (Sn) Plating, 14-16 AWG, Left Reel Payoff, Contact Material Thickness 0.30mm (.012")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Crimp Terminals

Series

34080

Comments

Left Reel Payoff

Crimp Quality Equipment

Yes

Overview

mx150_sealed_connector_system

Product Name

MX150™

Physical

Gender

Male

Material - Metal

High Performance Alloy (HPA)

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Packaging Type

Reel

Plating min: Mating (µin)

20.00

Plating min: Mating (µm)

0.500

Plating min: Termination (µin)

20.00

Plating min: Termination (µm)

0.50

Termination Interface: Style

Crimp or Compression

Wire Insulation Diameter

2.90mm (.114") max.

Wire Size AWG

14, 16

Wire Size mm²

1.5

Electrical

Current - Maximum per Contact

22A

Voltage - Maximum

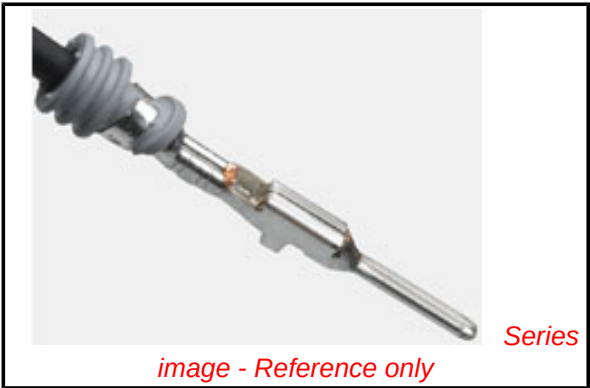
250V

Material Info

Reference - Drawing Numbers

Sales Drawing

AU5T-14421-AA, SD-34080-001



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

34080Series

Mates With

34083 MX150™ Female Cable Seal Terminal

Use With

33471 Single Row Sealed Connector, 33472 Dual Row Sealed Connector, 33476 Dual Row Hybrid Sealed Connector, 34062 Single Row 2-Way Cable Sealed Connector, 34250 Single Row 3-Way Cable Sealed Connector

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

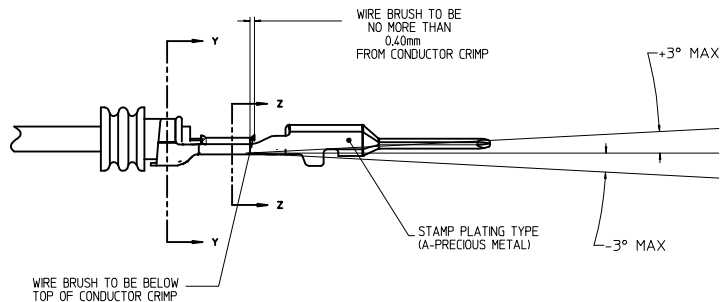
Global

Description

Product #

Hand Crimp Tool For [0638199000](#)
MX150 Cable Seal
Crimp Terminals
Hand Crimp Tool For [0638199100](#)
MX150 Cable Seal
Crimp Terminals
Fine Adjust [0639017200](#)
Applicator for
MX150™ Cable Seal
Crimp Terminals

This document was generated on 05/19/2010
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CRIMP INFORMATION SEE TABLE 1 SHEET 2



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATING TERMINAL SHOWN ON SD-34083-002
2. MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ± 0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA
3. MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL ELECTRICAL CRIMPS PER SAE/USCAR-21 (2/2004)
4. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3) (5/2004)
5. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV.14 (01/2007)
6. MEETS FIELD CORRELATED LIFE TEST (FCLT) PER SAE/USCAR-20 (6/2004)
7. REFERENCE FORD CAVITY SPECIFICATION 97BG-14421-ADA,REV. E
8. INSERTION FORCE WITH CORRESPONDING FEMALE TERMINAL: AVG. FORCE 3.1 N (REFERENCE)
TBD GOLD & SILVER (REFERENCE)
9. REFERENCE CRIMP SPECIFICATION (CS-34080-001) FOR ADDITIONAL INFORMATION.
10. REFERENCE PK-31300-516 FOR REEL DIRECTION

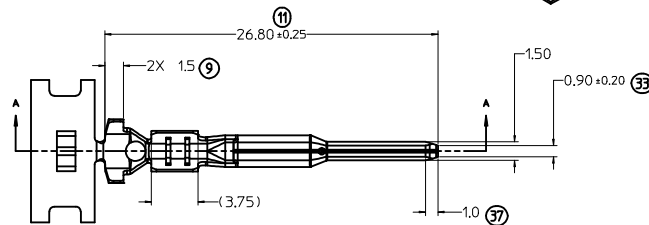
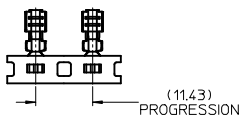
PLATING NOTES:

1. PRECIOUS METAL PLATED TERMINAL:

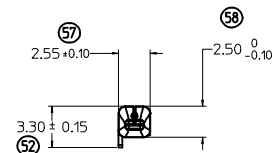
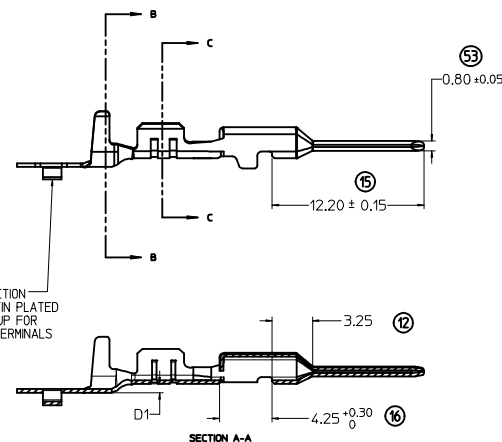
- 1.1 GOLD PLATING
 - 1.1.1 UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL THICKNESS 1.25 - 2.25 MICROMETERS
 - 1.1.2 CONTACT ZONE A2: ELECTRODEPOSITED GOLD THICKNESS 0.76 MICROMETER MINIMUM
 - 1.1.3 ZONE A1: REDUCED GOLD THICKNESS FROM ZONE A2 IS PERMITTED ZONE A1 SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - 1.1.4 ZONE B: REDUCED GOLD THICKNESS FROM ZONE A2 AND REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE B SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - 1.1.5 ZONE C: TIN PLATING: ELECTRODEPOSITED TIN (100% TIN), MATTE FINISH THICKNESS 2.50 - 4.00 MICROMETERS
 - 1.1.6 ZONE D: REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE D SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
- 1.2 SILVER PLATING
 - 1.2.1 UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL 1.25 - 2.25 MICROMETERS THICK
 - 1.2.2 ZONE A2: ELECTRODEPOSITED PURE SILVER (0.5 PERCENT MAX IMPURITIES) SEMI-BRIGHT FINISH 1.9 - 3.3 MICROMETERS THICK OVER NICKEL
 - 1.2.3 ANTI-TARNISH TREATMENT TO SILVER ZONES: EVABRITE S
 - 1.2.4 ZONE A1: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 IS PERMITTED OVER NICKEL
 - 1.2.5 ZONE B: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 AND REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL
 - 1.2.6 ZONE C: ELECTRODEPOSITED TIN (100% TIN) MATTE FINISH 2.5 - 4.00 MICROMETERS THICK OVER NICKEL
 - 1.2.7 ZONE D: REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL

2. TIN PLATING

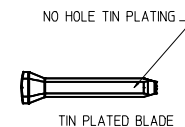
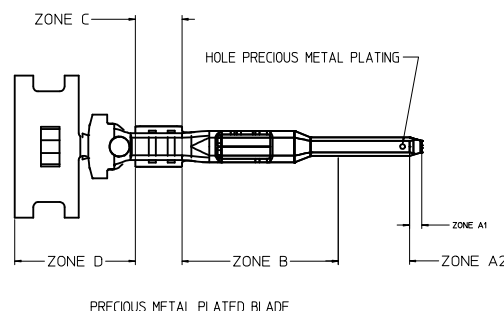
- 2.1 UNDERPLATE: ADVANCED BARRIER LAYER
THICKNESS 0.25 - 1.00 MICROMETERS
- 2.2 TIN LAYER: ELECTRODEPOSITED REFLOW TIN (100% TIN)
THICKNESS 0.50 - 1.00 MICROMETERS



CARRIER BUMP DIRECTION POINTS DOWN FOR TIN PLATED TERMINALS POINTS UP FOR PRECIOUS PLATED TERMINALS



SEE TABLE 2 ON SHEET 3 FOR CHARTED DIM.



FORD PART NO.				REFERENCE			
AUST-14421-AA				PART MUST COMPLY WITH MATERIAL SPECIFICATION MSB-MSB1999-41 TO HELP PROTECT HEALTH, SAFETY AND THE ENVIRONMENT			
AUST-14421-BA				DRAFTED IN ACCORDANCE WITH F40 ENGINEERING DRAFTING STANDARD			
AUST-14421-CA				CURRENT AT INITIAL RELEASE			
AUST-14421-AA				CAD TYPE	CAD LOC	CAD FILE	IS MASTER
AUST-14421-BA				OPER. NO.	UNIT	DRAWING	AUST-14421-AA
AUST-14421-CA				DESIGN	DETAIL	TITLE	
AUST-14421-DA				DESIGN	SAFETY	TERMINAL WIRE	
AUST-14421-EA				CHECKED	BY	SNAP ON MALE	
AUST-14421-FA				SCALE	DATE	DIVISION	
				71	2009/07/04	PLANT	

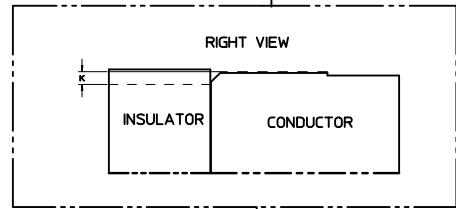
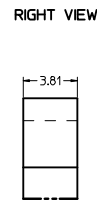
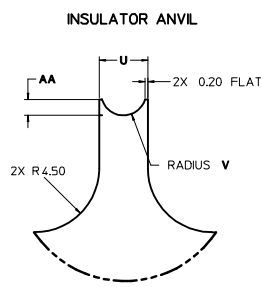
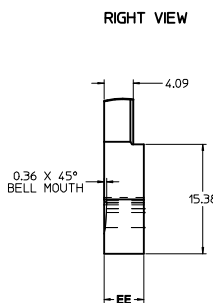
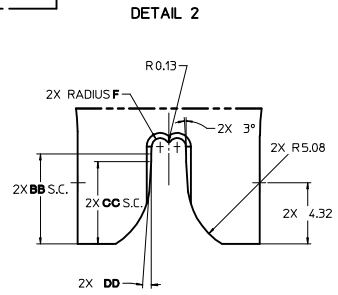
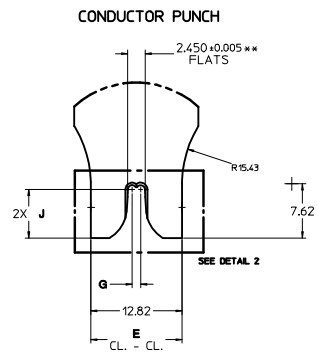
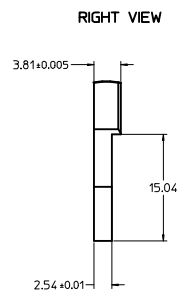
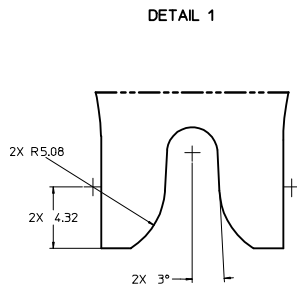
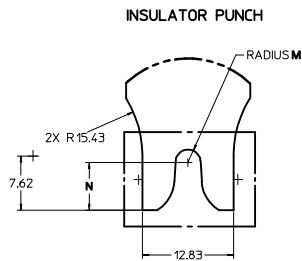
TRIS		REVISIONS	
ORIGINATOR	CHECKER	ENGR	APPROVAL
RELEASED			
A	AELE-E11776560-199 DATE: 20080708		
KFERGUSON	ADHIR	GLEECE	
B1	ADD GOLD AND SILVER PART NUMBERS TO TABLES 1 AND 2 RELEASED: BUST-14421-AA BUST-14421-BA BUST-14421-CA BUST-14421-DA BUST-14421-EA BUST-14421-FA		
B2	MOVE CRIMP TOOL INFORMATION AND TABLE 2 ON SHEET 3		
B3	ADD GOLD AND SILVER PLATING NOTES AELE-E-11776560-276 DATE: 20090610		
KFERGUSON	ADHIR	GLEECE	

TABLE 1 - TERMINAL CRIMP DIMENSION REFERENCE TABLE

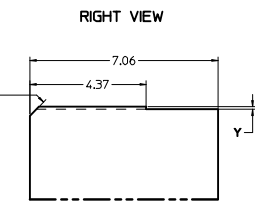
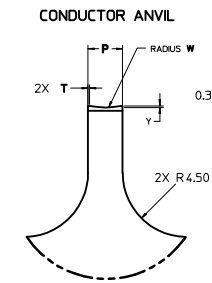
FORD PART NO.	SUPPLIER PART NO.		PLATING	WIRE SIZE (AWG)	SPECIFICATION WIRE	CONDUCTOR CCH(SEC Z-Z) ±0.05	CONDUCTOR CCW(SEC Z-Z) ±0.10	INSULATOR ICH(SEC Y-Y) ±0.10	INSULATOR ICW(SEC Y-Y) ±0.10	FORD CABLE SEAL PART NO.
	RIGHT PAYOFF	LEFT PAYOFF								
AU5T-14421-CA	34080-0001	34080-1001	TIN	14	M1L-123A	1.65	2.45	3.95	3.65	XW4T-14603-MA
					M1L-135A1	1.65	2.45	3.80	3.65	XW4T-14603-FA
				16	M1L-123A	1.35	2.45	3.80	3.65	XW4T-14603-FA
AU5T-14421-BA	34080-0002	34080-1002	TIN	18	M1L-123A	1.25	2.15	3.70	3.55	XW4T-14603-AA
				20	M1L-123A	1.15	2.15	3.60	3.55	XW4T-14603-AA
AU5T-14421-AA	34080-0003	34080-1003	TIN	22	M1L-123A	1.00	1.60	3.50	3.45	97BG-10C930-SBA
AU5T-14421-CA	34080-0001	34080-1001	TIN	2.00mm ²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
AU5T-14421-CA	34080-0001	34080-1001	TIN	1.50mm ²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
AU5T-14421-BA	34080-0002	34080-1002	TIN	1.00mm ²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm ²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
AU5T-14421-AA	34080-0003	34080-1003	TIN	0.50mm ²	M1L-126A1	1.10	1.60	3.50	3.45	97BG-10C930-SBA
					JASO D 611(AVSS)	1.10	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	14	M1L-123A	1.65	2.45	3.95	3.65	XW4T-14603-MA
					M1L-135A1	1.65	2.45	3.80	3.65	XW4T-14603-FA
				16	M1L-123A	1.35	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-EA	34080-0104	34080-1104	GOLD	18	M1L-123A	1.25	2.15	3.70	3.55	XW4T-14603-AA
				20	M1L-123A	1.15	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-FA	34080-0106	34080-1106	GOLD	22	M1L-123A	1.00	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	2.00mm ²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	1.50mm ²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-EA	34080-0104	34080-1104	GOLD	1.00mm ²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm ²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-FA	34080-0106	34080-1106	GOLD	0.50mm ²	M1L-126A1	1.10	1.60	3.50	3.45	97BG-10C930-SBA
					JASO D 611(AVSS)	1.10	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	14	M1L-123A	1.65	2.45	3.95	3.65	XW4T-14603-MA
					M1L-135A1	1.65	2.45	3.80	3.65	XW4T-14603-FA
				16	M1L-123A	1.35	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-BA	34080-0204	34080-1204	SILVER	18	M1L-123A	1.25	2.15	3.70	3.55	XW4T-14603-AA
				20	M1L-123A	1.15	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-CA	34080-0206	34080-1206	SILVER	22	M1L-123A	1.00	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	2.00mm ²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	1.50mm ²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-BA	34080-0204	34080-1204	SILVER	1.00mm ²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm ²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-CA	34080-0206	34080-1206	SILVER	0.50mm ²	M1L-126A1	1.10	1.60	3.50	3.45	97BG-10C930-SBA
					JASO D 611(AVSS)	1.10	1.60	3.50	3.45	97BG-10C930-SBA

REFERENCE		---	
PART MUST COMPLY WITH MATERIAL SPECIFICATION MSG-180P0009-41			
TO HELP PROTECT HEALTH, SAFETY AND THE ENVIRONMENT			
DRAFTED IN ACCORDANCE WITH FAD		3RD ANGLE PROJ	
ENGINEERING DRAFTING STANDARD		DIMENSIONS IN	
CURRENT AT INITIAL RELEASE		MILLIMETERS	
CAD TYPE	CAD LDC	CAD FILE	IS MASTER
OPER. NO.	UNIT	DRAWING	AU5T-14421-AA
DESIGN	DETAIL	TITLE	TERMINAL WIRE
CHECKED	SAFETY	SNAP ON MALE	ENT 2
SCALE	DATE	DIVISION	DF 3
11	2009/07/09	PLANT	

CRIMP TOOL INFORMATION SEE TABLE 2 FOR TABLED DIMENSIONS



** 14-16 AWG. 15mm²
& 2.0mm² ONLY



(B2)

TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIMENSION REFERENCE TABLE

SUPPLIER PART NUMBER		FORD PART NO.	PLATING (STAMPING)	WIRE APPLICATION		A	B	C	D	D1	E	F	G	J	K	M	N	P	T	U	V	W	Y	AA	BB	CC	DD	EE
RIGHT PAYOFF	LEFT PAYOFF			SAE (AWG)	METRIC (mm ²)	±0.3	±0.20	±0.3	±0.15	±0.10	±0.01	±0.005	±0.005	±0.05	±0.01	±0.005	±0.10	±0.005	±0.03	±0.005	±0.005	±0.10	±0.01	±0.10	±0.01	±0.01	±0.01	±0.10
34080-0001	34080-1001	AU5T-14421-CA	TIN	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
				16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0002	34080-1002	AU5T-14421-BA	TIN	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
				20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0003	34080-1003	AU5T-14421-AA	TIN	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
34080-0102	34080-1102	BU5T-14421-DA	GOLD	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
				16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0104	34080-1104	BU5T-14421-EA	GOLD	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
				20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0106	34080-1106	BU5T-14421-FA	GOLD	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
34080-0202	34080-1202	BU5T-14421-AA	SILVER	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
				16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0204	34080-1204	BU5T-14421-BA	SILVER	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
				20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0206	34080-1206	BU5T-14421-CA	SILVER	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81

REFERENCE: —

PART MUST COMPLY WITH MATERIAL SPECIFICATION HHS-HBSP008-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.

DRAFTED IN ACCORDANCE WITH FAD ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE

3RD ANGLE PROJ DIMENSIONS IN MILLIMETERS

CAD TYPE: CAD LOC: CAD FILE: IS MASTER

OPER. NO. UNIT DRAWING: AU5T-14421-AA

DESIGN REVISION: DETAIL TITLE: TERMINAL WIRE SNAP ON MALE

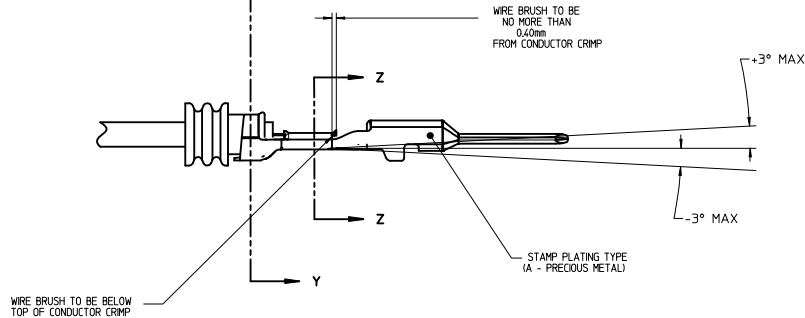
CHECKED: SAFETY

SCALE: 1:1 DIVISION: PLANT

DATE: 2009/07/09

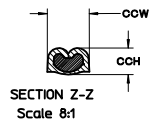
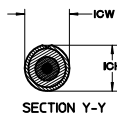
BY: 3 OF 3

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



CRIMP INFORMATION

SEE TABLE 1 SHEET 2



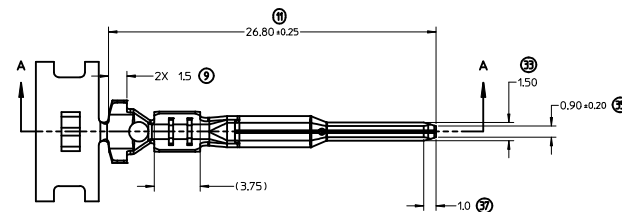
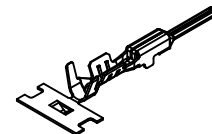
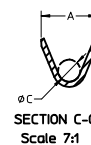
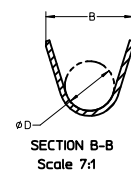
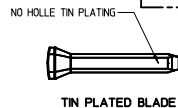
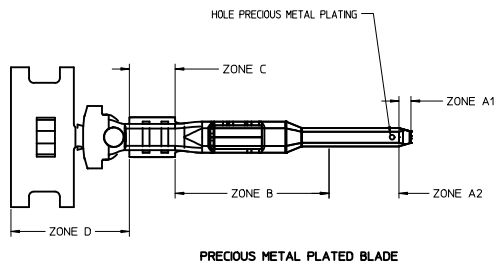
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATING TERMINAL SHOWN ON SD-34083-002
2. MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ±0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPa
3. MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL ELECTRICAL CRIMPS PER SAE/USCAR-21 (2/2004)
4. MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3) (5/2004)
5. MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDSI) REV.14 (01/2007)
6. MEETS FIELD CORRELATED LIFE TEST (IFCLT) PER SAE/USCAR-20 (6/2004)
7. REFERENCE FORD CAVITY SPECIFICATION 97BG-14421-ADA, REV. E
8. INSERTION FORCE WITH CORRESPONDING FEMALE TERMINAL:
AVG. FORCE 3.1 N (TIN REFERENCE)
2.7 N GOLD (REFERENCE)
2.9 N SILVER (REFERENCE)
9. REFERENCE CRIMP SPECIFICATION (CS-34080-001) FOR ADDITIONAL INFORMATION
10. REFERENCE PK-31300-S16 FOR REEL DIRECTION

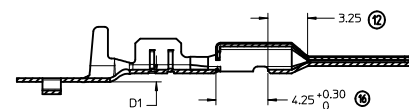
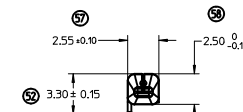
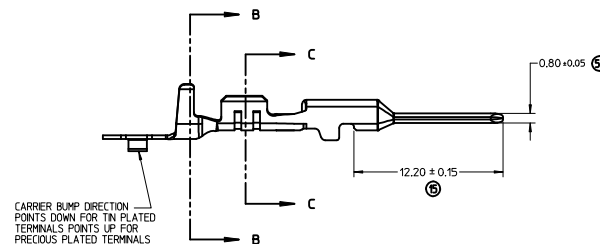
PLATING NOTES:

1. PRECIOUS METAL PLATED TERMINAL:
 - 1.1 GOLD PLATING
 - 1.1.1 UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL THICKNESS 1.25 - 2.25 MICROMETERS
 - 1.2.1 CONTACT ZONE A2: ELECTRODEPOSITED GOLD THICKNESS 0.76 MICROMETER MINIMUM
 - 1.3 ZONE A1: REDUCED GOLD THICKNESS FROM ZONE A2 IS PERMITTED ZONE A1 SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - 1.1.4 ZONE B: REDUCED GOLD THICKNESS FROM ZONE A2 AND REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE B SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - 1.1.5 ZONE C: TIN PLATING: ELECTRODEPOSITED TIN (100% TIN), MATTE FINISH THICKNESS 2.50 - 4.00 MICROMETERS
 - 1.1.6 ZONE D: REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE D SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL

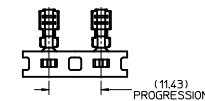
- 1.2 SILVER PLATING
 - 1.2.1 UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL 1.25 - 2.25 MICROMETERS THICK
 - 1.2.2 ZONE A2: ELECTRODEPOSITED PURE SILVER (0.5 PERCENT MAX IMPURITIES) SEMI-BRIGHT FINISH 1.9 - 3.3 MICROMETERS THICK OVER NICKEL
 - 1.2.3 ANTI-TARNISH TREATMENT TO SILVER ZONES: EVABRITE S
 - 1.2.4 ZONE A1: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 IS PERMITTED OVER NICKEL
 - 1.2.5 ZONE B: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 AND REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL
 - 1.2.6 ZONE C: ELECTRODEPOSITED TIN (100% TIN) MATTE FINISH 2.5 - 4.00 MICROMETERS THICK OVER NICKEL
 - 1.2.7 ZONE D: REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL
2. TIN PLATING
 - 2.1 UNDERPLATE: ADVANCED BARRIER LAYER THICKNESS 0.25 - 1.00 MICROMETERS
 - 2.2 TIN LAYER: ELECTRODEPOSITED REFLOW TIN (100% TIN) THICKNESS 0.50 - 1.00 MICROMETERS



SEE TABLE 2 ON SHEET 3 FOR CHARTED DIM.



SECTION A-A



ENTER DESCRIPTION

EC NO: UAU2010-0419

DRWN:FERGUSON

CHKD:DHIR

APPR:BMOSER

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QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES ±	---	---
3 PLACES ±	---	---
2 PLACES ±	0.10	---
1 PLACE ±	0.3	---
ANGULAR ± 3 °		

DIMENSION STYLE

MM ONLY

DRAWN BY DATE

K. FERGUSON 2008/06/09

CHECKED BY DATE

A. DHIR 2008/06/09

APPROVED BY DATE

B. MOSER 2008/09/06

SCALE

5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

MX 150 BLADE CABLE SEAL

MATERIAL NO.

SEE TABLE

DOCUMENT NO.

SD-34080-001

SHEET NO.

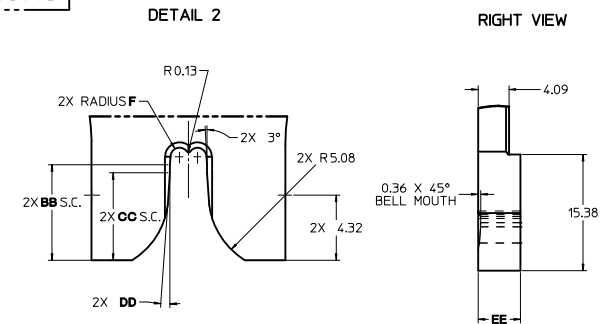
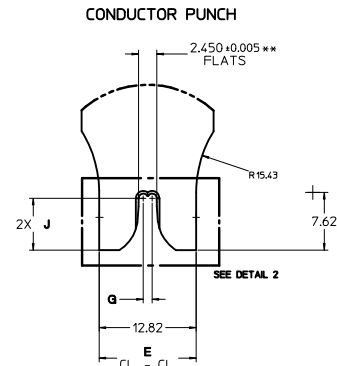
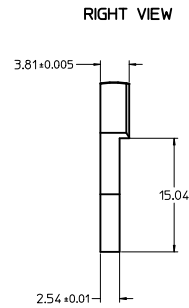
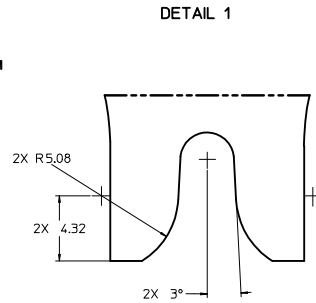
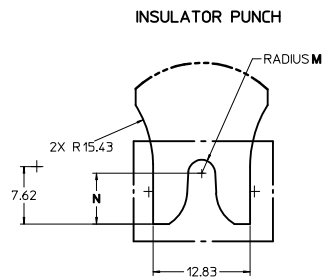
1 OF 3

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

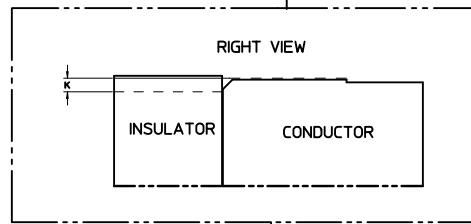
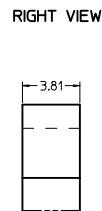
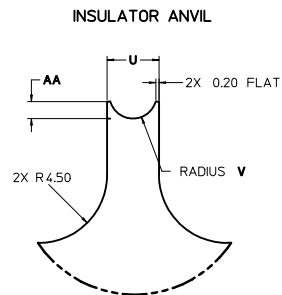
TABLE 1 – TERMINAL CRIMP DIMENSION REFERENCE TABLE										
SUPPLIER PART NO.		PLATING	WIRE SIZE (AWG)	SPECIFICATION WIRE	CONDUCTOR CCH(SEC Z-Z) ±0.05	CONDUCTOR CCW(SEC Z-Z) ±0.10	INSULATOR ICH(SEC Y-Y) ±0.10	INSULATOR ICW(SEC Y-Y) ±0.10	QSR CABLE SEAL PART NO.	YAZAKI CABLE SEAL PART NO.
RIGHT PAYOFF	LEFT PAYOFF									
34080-0001	34080-1001	TIN	14	M1L-123A	1.65	2.45	3.95	3.65	-	7158-3033-40
				M1L-135A1	1.65	2.45	3.80	3.65	E-1644-02	-
34080-0002	34080-1002	TIN	16	M1L-123A	1.35	2.45	3.80	3.65	E-1644-02	-
				M1L-123A	1.25	2.15	3.70	3.55	E-1644-00	-
			18	SAE J1128 (GXL)	1.25	2.15	3.90	3.55	E-1644-02	-
				M1L-123A	1.15	2.15	3.60	3.55	E-1644-00	-
				SAE J1128 (GXL)	1.15	2.15	3.80	3.55	E-1644-02	-
34080-0003	34080-1003	TIN	22	M1L-123A	1.00	1.60	3.50	3.45	E-1644-01	-
34080-0001	34080-1001	TIN	2.00mm²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	-	7158-3033-40
34080-0001	34080-1001	TIN	1.50mm²	M1L-126A1	1.40	2.45	3.80	3.65	E-1644-02	-
34080-0002	34080-1002	TIN	1.00mm²	M1L-126A1	1.30	2.15	3.70	3.55	E-1644-00	-
			0.75mm²	M1L-126A1	1.25	2.15	3.60	3.55	E-1644-00	-
34080-0003	34080-1003	TIN	0.50mm²	M1L-126A1	1.10	1.60	3.50	3.45	E-1644-01	-
				JASO D 611(AVSS)	1.10	1.60	3.50	3.45	E-1644-01	-
34080-0102	34080-1102	GOLD	14	M1L-123A	1.65	2.45	3.95	3.65	-	7158-3033-40
				M1L-135A1	1.65	2.45	3.80	3.65	E-1644-02	-
34080-0104	34080-1104	GOLD	16	M1L-123A	1.35	2.45	3.80	3.65	E-1644-02	-
				M1L-123A	1.25	2.15	3.70	3.55	E-1644-00	-
			18	SAE J1128 (GXL)	1.25	2.15	3.90	3.55	E-1644-02	-
				M1L-123A	1.15	2.15	3.60	3.55	E-1644-00	-
				SAE J1128 (GXL)	1.15	2.15	3.80	3.55	E-1644-02	-
34080-0106	34080-1106	GOLD	22	M1L-123A	1.00	1.60	3.50	3.45	E-1644-01	-
34080-0102	34080-1102	GOLD	2.00mm²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	-	7158-3033-40
34080-0102	34080-1102	GOLD	1.50mm²	M1L-126A1	1.40	2.45	3.80	3.65	E-1644-02	-
34080-0104	34080-1104	GOLD	1.00mm²	M1L-126A1	1.30	2.15	3.70	3.55	E-1644-00	-
			0.75mm²	M1L-126A1	1.25	2.15	3.60	3.55	E-1644-00	-
34080-0106	34080-1106	GOLD	0.50mm²	M1L-126A1	1.10	1.60	3.50	3.45	E-1644-01	-
				JASO D 611(AVSS)	1.10	1.60	3.50	3.45	E-1644-01	-
34080-0202	34080-1202	SILVER	14	M1L-123A	1.65	2.45	3.95	3.65	-	7158-3033-40
				M1L-135A1	1.65	2.45	3.80	3.65	E-1644-02	-
34080-0204	34080-1204	SILVER	16	M1L-123A	1.35	2.45	3.80	3.65	E-1644-02	-
				M1L-123A	1.25	2.15	3.70	3.55	E-1644-00	-
			18	SAE J1128 (GXL)	1.25	2.15	3.90	3.55	E-1644-02	-
				M1L-123A	1.15	2.15	3.60	3.55	E-1644-00	-
				SAE J1128 (GXL)	1.15	2.15	3.80	3.55	E-1644-02	-
34080-0206	34080-1206	SILVER	22	M1L-123A	1.00	1.60	3.50	3.45	E-1644-01	-
34080-0202	34080-1202	SILVER	2.00mm²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	-	7158-3033-40
34080-0202	34080-1202	SILVER	1.50mm²	M1L-126A1	1.40	2.45	3.80	3.65	E-1644-02	-
34080-0204	34080-1204	SILVER	1.00mm²	M1L-126A1	1.30	2.15	3.70	3.55	E-1644-00	-
			0.75mm²	M1L-126A1	1.25	2.15	3.60	3.55	E-1644-00	-
34080-0206	34080-1206	SILVER	0.50mm²	M1L-126A1	1.10	1.60	3.50	3.45	E-1644-01	-
				JASO D 611(AVSS)	1.10	1.60	3.50	3.45	E-1644-01	-

ENTER DESCRIPTION EC NO: UAC200-0415 DRAWN BY: K. FERGUSON CHECKED BY: A. DHIR APPROVED BY: B. MOSER DATE: 2008/12/02 APPR: 2008/12/02	QUALITY SYMBOLS ▽-0 ▽-0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- ANGULAR ± 3°	DIMENSION STYLE MM ONLY DRAWN BY: K. FERGUSON CHECKED BY: A. DHIR APPROVED BY: B. MOSER DATE: 2008/06/09 DATE: 2008/06/09 DATE: 2008/09/06	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX 150 BLADE CABLE SEAL
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE SIZE E		DOCUMENT NO. SD-34080-001 SHEET NO. 2 OF 3
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	MOLEX INCORPORATED				

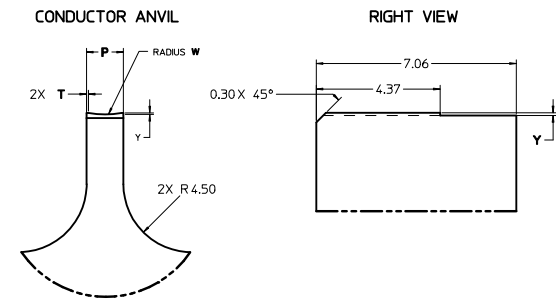
CRIMP TOOL INFORMATION
SEE TABLE 2 FOR TABLED DIMENSIONS



RIGHT VIEW



** 14-16 AWG. 1.5mm²
& 2.0mm² ONLY



RIGHT VIEW

TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIMENSION REFERENCE TABLE

SUPPLIER PART NUMBER		PLATING (STAMPING)	WIRE APPLICATION		A	B	C	D	D1	E	F	G	J	K	M	N	P	T	U	V	W	Y	AA	BB	CC	DD	EE
			SAE (AWG)	METRIC (mm ²)	±0.3	±0.20	±0.3	±0.15	±0.10	±0.01	±0.005	±0.005	±0.05	±0.01	±0.005	±0.10	±0.005	±0.03	±0.005	±0.005	±0.10	±0.01	±0.10	±0.01	±0.01	±0.01	±0.10
34080-0001	34080-1001	TIN	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
			16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0002	34080-1002	TIN	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
			20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0003	34080-1003	TIN	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
			14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0102	34080-1102	GOLD	16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
			18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0104	34080-1104	GOLD	20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
			22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
34080-0106	34080-1106	GOLD	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
			14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0202	34080-1202	SILVER	16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
			18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0204	34080-1204	SILVER	20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
			22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81

ENTER DESCRIPTION REV. NO. UAU2010-0419 DRAWN BY K. FERGUSON 2008/12/02 CHECKED BY A. DHIR 2008/06/09 APPROVED BY B. MOSER 2008/09/06 B2	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		mm	INCH	DRAWN BY K. FERGUSON	DATE 2008/06/09	TITLE MX 150 BLADE CABLE SEAL		MOLEX INCORPORATED			
		4 PLACES ±.005	±.005	CHECKED BY A. DHIR	DATE 2008/06/09	SD-34080-001					
		3 PLACES ±.010	±.010	APPROVED BY B. MOSER	DATE 2008/09/06						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO.		SHEET NO.		3 OF 3			