

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0340800001

Status:

Active

Overview:

[mx150_sealed_connector_system](#)

Description:

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

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Crimp Terminals

Series

34080

Comments

Right 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

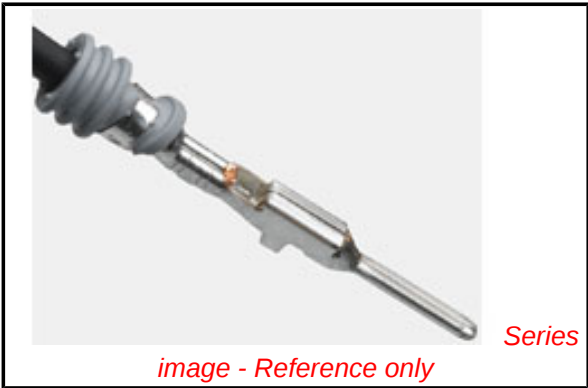
250V

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

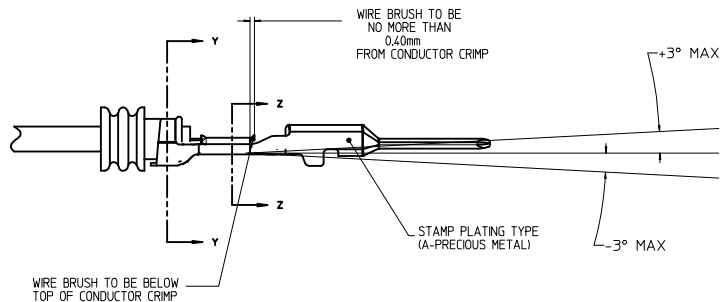
Mates With

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

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CRIMP INFORMATION SEE TABLE 1 SHEET 2



NOTES: (UNLESS OTHERWISE SPECIFIED)

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

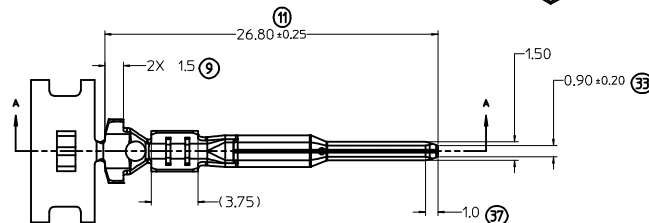
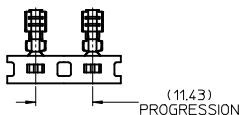
PLATING NOTES:

1. PRECIOUS METAL PLATED TERMINAL:

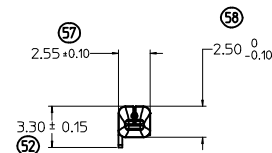
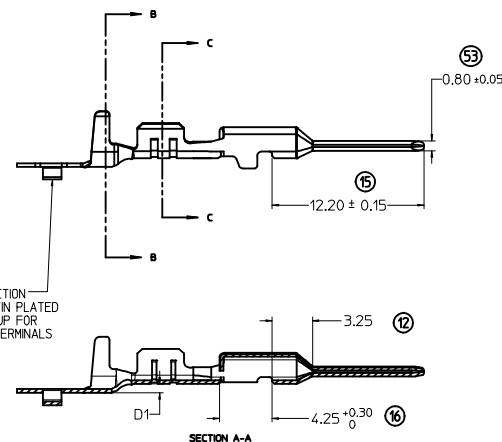
- GOLD PLATING
 - UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL THICKNESS 1.25 - 2.25 MICROMETERS
 - CONTACT ZONE A2: ELECTRODEPOSITED GOLD THICKNESS 0.76 MICROMETER MINIMUM
 - ZONE A1: REDUCED GOLD THICKNESS FROM ZONE A2 IS PERMITTED ZONE A1 SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - 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
 - ZONE C: TIN PLATING: ELECTRODEPOSITED TIN (100% TIN), MATTE FINISH THICKNESS 2.50 - 4.00 MICROMETERS
 - ZONE D: REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE D SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
- SILVER PLATING
 - UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL 1.25 - 2.25 MICROMETERS THICK
 - ZONE A2: ELECTRODEPOSITED PURE SILVER (0.5 PERCENT MAX IMPURITIES) SEMI-BRIGHT FINISH 19 - 3.3 MICROMETERS THICK OVER NICKEL
 - ANTI-TARNISH TREATMENT TO SILVER ZONES: EVABRITE S
 - ZONE A1: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 IS PERMITTED OVER NICKEL
 - ZONE B: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 AND REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL
 - ZONE C: ELECTRODEPOSITED TIN (100% TIN) MATTE FINISH 2.5 - 4.00 MICROMETERS THICK OVER NICKEL
 - ZONE D: REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL

2. TIN PLATING

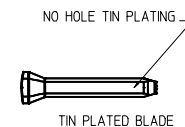
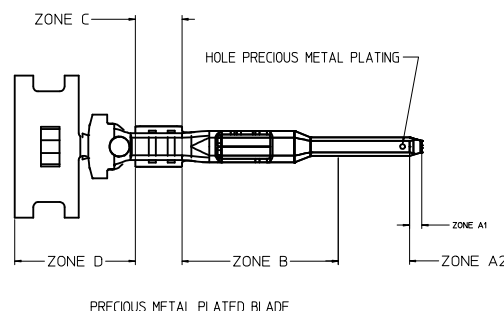
- UNDERPLATE: ADVANCED BARRIER LAYER
THICKNESS 0.25 - 1.00 MICROMETERS
- TIN LAYER: ELECTRODEPOSITED REFLOW TIN (100% TIN)
THICKNESS 0.50 - 1.00 MICROMETERS



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-100P1000-41 TO HELP PROTECT HEALTH, SAFETY AND THE ENVIRONMENT	
AUST-14421-BA		DRAFTED IN ACCORDANCE WITH FAD ENGINEERING DRAFTING STANDARD	
AUST-14421-CA		CURRENT AT INITIAL RELEASE	
AUST-14421-AA		IS MASTER	
OPER. NO.	UNIT	DRAWING	AUST-14421-AA
DESIGN	DETAIL	TITLE	
APPROVAL	SAFETY	TERMINAL WIRE	
CHECKED	BY	SNAP ON MALE	
SCALE	DATE	DIVISION	
71	2008/07/04	PLANT	

LTRS.		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

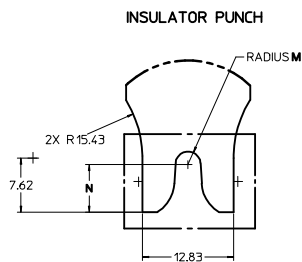
FORD PART NO.	SUPPLIER PART NO.		PLATING	WIRE SIZE (AWG)	SPECIFICATION WIRE	CONDUCTOR CCH(SEC Z-Z) ±0.05	CONDUCTOR CCW(SEC Z-Z) ±0.10	INSULATOR ICH(SEC Y-Y) ±0.10	INSULATOR ICW(SEC Y-Y) ±0.10	FORD CABLE SEAL PART NO.
	RIGHT PAYOFF	LEFT PAYOFF								
AU5T-14421-CA	34080-0001	34080-1001	TIN	14	M1L-123A	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	2.00mm²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
AU5T-14421-CA	34080-0001	34080-1001	TIN	1.50mm²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
AU5T-14421-BA	34080-0002	34080-1002	TIN	1.00mm²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
AU5T-14421-AA	34080-0003	34080-1003	TIN	0.50mm²	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	2.00mm²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	1.50mm²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-EA	34080-0104	34080-1104	GOLD	1.00mm²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-FA	34080-0106	34080-1106	GOLD	0.50mm²	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	2.00mm²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	1.50mm²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-BA	34080-0204	34080-1204	SILVER	1.00mm²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-CA	34080-0206	34080-1206	SILVER	0.50mm²	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

B1

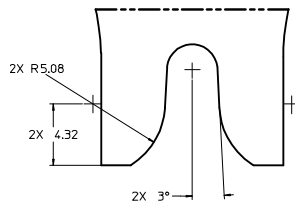
REFERENCE		---	
PART MUST COMPLY WITH MATERIAL SPECIFICATION MSB-180P0009-41			
TO HELP PROTECT HEALTH, SAFETY AND THE ENVIRONMENT			
DRAFTED IN ACCORDANCE WITH FAD		3RD ANGLE PROJ	
ENGINEERING DRAFTING STANDARD		DIMENSIONS IN	
CURRENT AT INITIAL RELEASE		MILLIMETERS	
CAD TYPE	CAD L2C	CAD FILE	IS MASTER
OPER. NO.	UNIT	DRAWING	AU5T-14421-AA
DESIGN	DETAIL	TITLE	TERMINAL WIRE
CHECKED	SAFETY	SNAP ON MALE	ENT 2 OF 3
SCALE	DATE	DIVISION	PLANT
11	2009/07/09		

SIZE A4E

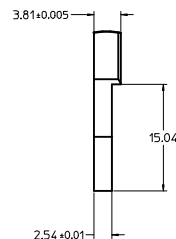
CRIMP TOOL INFORMATION SEE TABLE 2 FOR TABLED DIMENSIONS



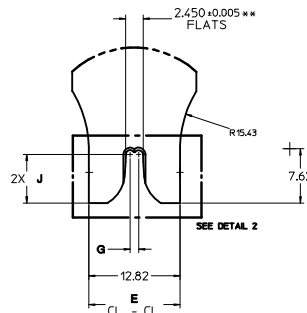
DETAIL 1



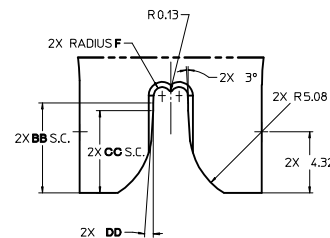
RIGHT VIEW



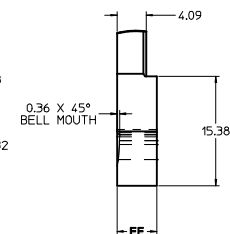
CONDUCTOR PUNCH



DETAIL 2

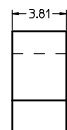
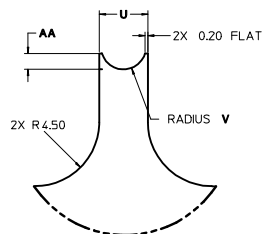


RIGHT VIEW

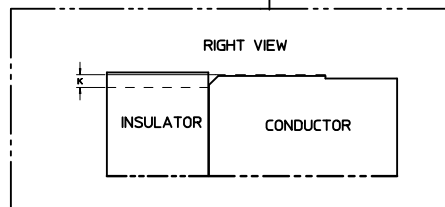


INSULATOR ANVIL

RIGHT VIEW



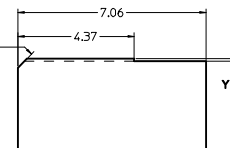
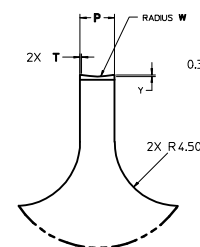
RIGHT VIEW



** 14-16 AWG. 15mm²
& 2.0mm² ONLY

CONDUCTOR ANVIL

RIGHT VIEW



(B2)

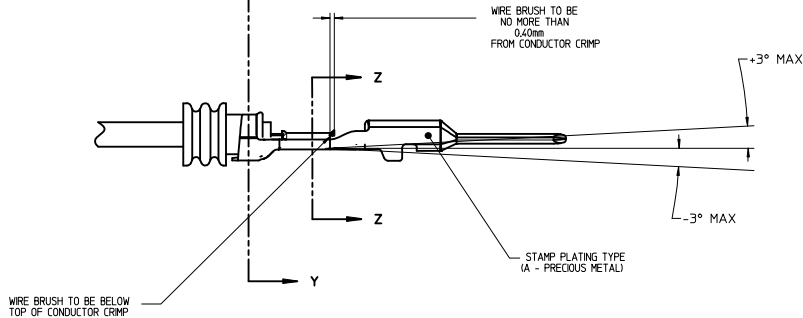
TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIMENSION REFERENCE TABLE

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			
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	DATE	2009/07/09
SCALE	DIVISION	PLANT	

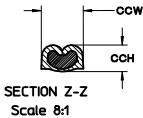
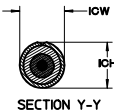
U
3
2
8

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



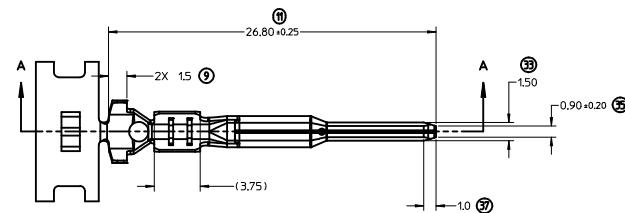
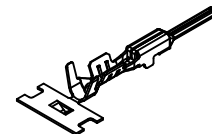
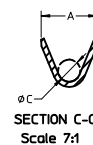
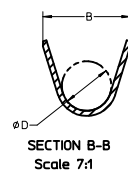
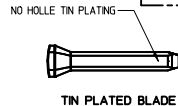
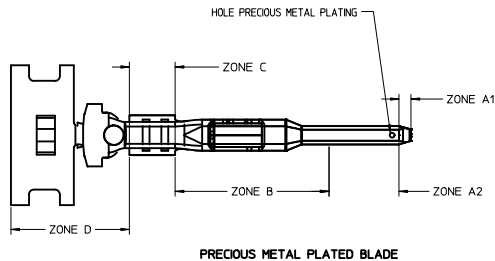
NOTES: (UNLESS OTHERWISE SPECIFIED)

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 (IFLT) 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

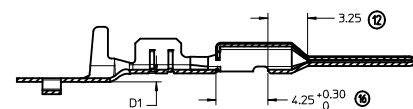
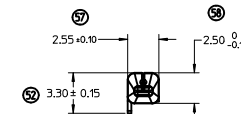
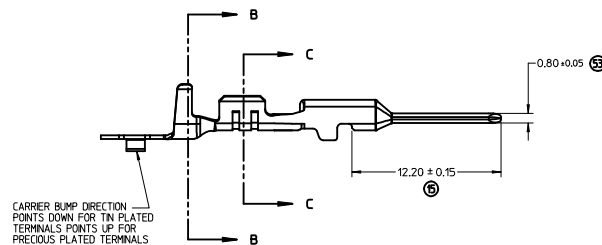
PLATING NOTES:

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

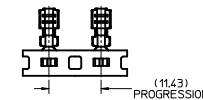
- 1.2 SILVER PLATING
 - 1.2.1 UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL 1.25 - 2.25 MICROMETERS THICK
 - 1.2.2 ZONE A2: ELECTRODEPOSITED PURE SILVER (0.5 PERCENT MAX IMPURITIES) SEMI-BRIGHT FINISH 1.9 - 3.3 MICROMETERS THICK OVER NICKEL
 - 1.2.3 ANTI-TARNISH TREATMENT TO SILVER ZONES: 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: JAU2010-0419
DRAWN BY: K. FERGUSON
CHKD BY: A. DHR
APPROVED BY: B. MOSER
DATE: 2009/12/02
DATE: 2009/12/02
DATE: 2009/12/02

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	DATE
K. FERGUSON	2008/06/09
CHECKED BY	DATE
A. DHR	2008/06/09
APPROVED BY	DATE
B. MOSER	2008/09/06

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
TITLE		
MX 150 BLADE CABLE SEAL		
MATERIAL NO.		
SEE TABLE		
DOCUMENT NO.		
SD-34080-001		
SHEET NO.		
1 OF 3		

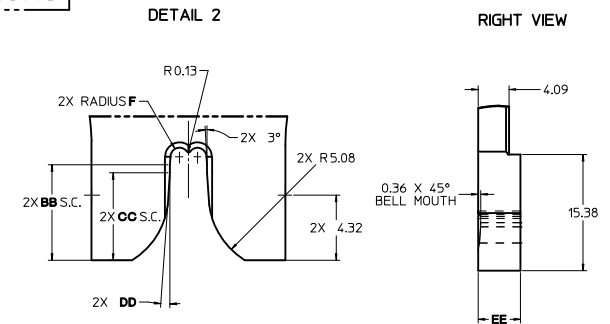
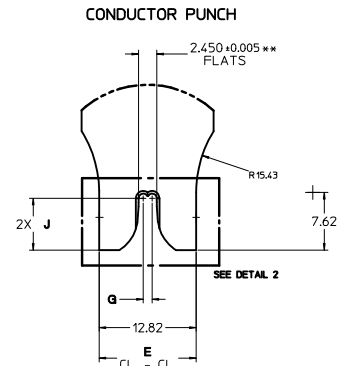
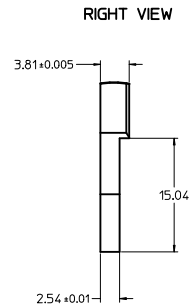
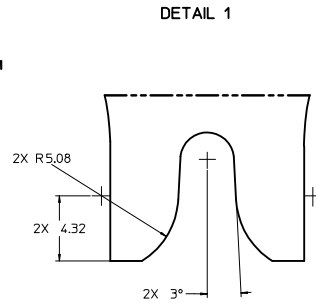
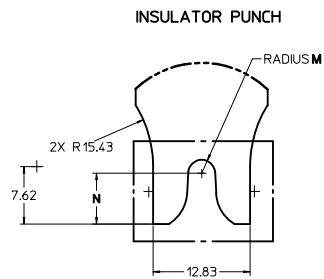
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

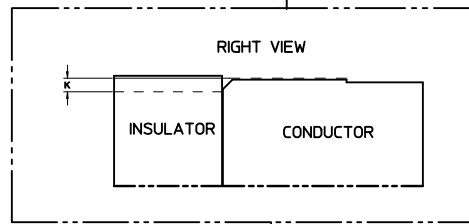
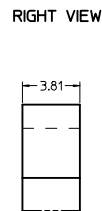
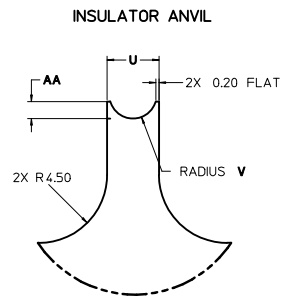
TABLE 1 – TERMINAL CRIMP DIMENSION REFERENCE TABLE										
SUPPLIER PART NO.		PLATING	WIRE SIZE (AWG)	SPECIFICATION WIRE	CONDUCTOR CCH(SEC Z-Z) ±0.05	CONDUCTOR CCW(SEC Z-Z) ±0.10	INSULATOR ICH(SEC Y-Y) ±0.10	INSULATOR ICW(SEC Y-Y) ±0.10	QSR CABLE SEAL PART NO.	YAZAKI CABLE SEAL PART NO.
RIGHT PAYOFF	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	-
			16	M1L-123A	1.35	2.45	3.80	3.65	E-1644-02	-
34080-0204	34080-1204	SILVER	18	M1L-123A	1.25	2.15	3.70	3.55	E-1644-00	-
				SAE J1128 (GXL)	1.25	2.15	3.90	3.55	E-1644-02	-
			20	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	-
				M1L-123A	1.00	1.60	3.50	3.45	E-1644-01	-
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: UAC200-0475 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 	MX 150 BLADE CABLE SEAL MOLEX INCORPORATED MATERIAL NO. SD-34080-001 DOCUMENT NO. 2 OF 3
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	SIZE E				

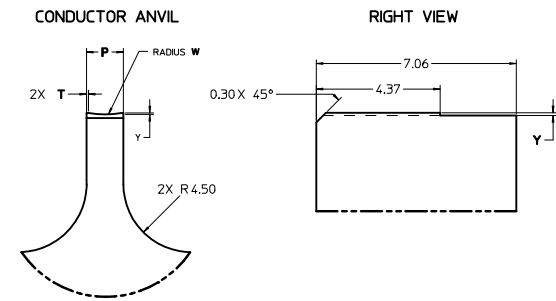
CRIMP TOOL INFORMATION
SEE TABLE 2 FOR TABLED DIMENSIONS



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	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
34080-0202	34080-1202	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
34080-0204	34080-1204	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
34080-0206	34080-1206	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

ENTER DESCRIPTION REV B2	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	MM ONLY	1:1	METRIC	MX 150 BLADE CABLE SEAL	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± ---		DRAWN BY K. FERGUSON CHECKED BY A. DHIR APPROVED BY B. MOSER		DATE 2008/06/09 2008/06/09 2008/09/06	TITLE SD-34080-001	SHEET NO. 3 OF 3
		ANGULAR ± 3°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		