

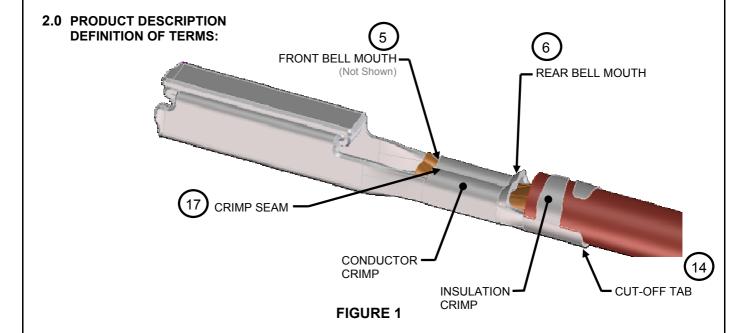
MX64 ISO GRIP RECEPTACLE TERMINAL

1.0 SCOPE

This specification details the crimping information and common practices for general crimps for the MX64 ISO Grip Receptacle Terminal. Please refer to sales drawing, SD-33468-002, for additional part information. The information in this document is for reference and benchmark purposes only. The user is responsible for validating crimp performance based on tooling, equipment and wire that is being used.

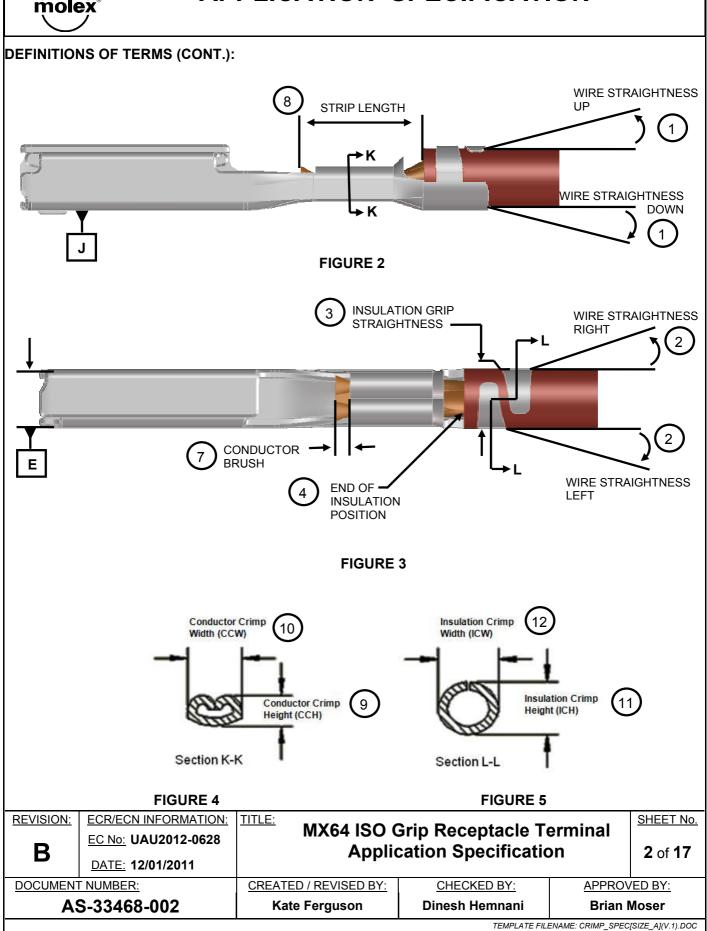
All measurements are in millimeters unless otherwise specified.

Terminal shown in this document are generic representations.



REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011	MX64 ISO C	SHEET No. 1 of 17		
DOCUMEN	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:
AS-33468-002		Kate Ferguson Dinesh Hemnani Brian Mosei		Moser	
	TEMPLATE FILENAME: CRIMP_SPEC[SIZE_A](V.1).DOC				





APPLICATION SPECIFICATION

CONDUCTOR CRIMP

This is the metallurgical compression of a terminal around the wire's conductor. This connection creates a common electrical path with low resistance and high current carrying capabilities.

processing the insulation position is set by the in/out press on the applicator. See Figure 3.

END OF INSULATION (4)

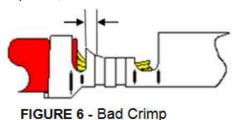
This is the location where the wire insulation is in relation to the terminal transition area between the conductor and insulation crimps. The conductor strands and insulation jacket must be displaced evenly and visible in the transition area. This position ensures that the insulation is not crimped within the conductor grip. This position can be controlled by the wire stop and/or the wire strip length in bench applications. For automatic wire

BELLMOUTH (FLARE) 56

The flare that is formed on the edge of the conductor crimp acts as a funnel for the wire strands. This flare reduces the possibility that a sharp edge on the conductor crimp will cut or nick the wire strands. For the MX64 ISO Grip terminal a rear bell mouth is required on the conductor crimp while a front bell mouth is optional. <u>Caution</u>: Excessively large bell mouths will reduce the crimp area which therefore reduces conductor pull forces. See Table 3 for bell mouth specifications.

Bell mouth too large

Reduced Crimp Area, Lower Pull Forces



Bell Mouth per specification

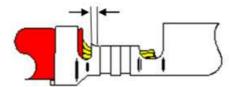


FIGURE 7- Good Crimp

CONDUCTOR BRUSH (7)

The conductor brush is made up of the wire strands that extend past the conductor crimp into the transition area towards the terminal box. This helps ensure the mechanical compressions occur over the full length of the conductor crimp. The conductor brush should not extend past the transition area into the terminal box.

EXCESSIVE CONDUCTOR BRUSH

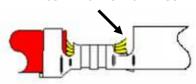


FIGURE 8 - Bad Crimp

CONDUCTOR BRUSH FLUSH OR BELOW CRIMP

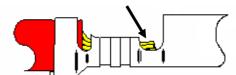


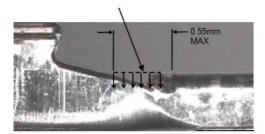
FIGURE 9 - Good Crimp

For the MX64 ISO Grip Receptacle Terminal, the conductor brush must be visible past the conductor crimp but must not exceed 0.55mm and, depending on where the brush ends, it must be below the conductor crimp height or below the transition wall (whichever is taller). See Figure 10 for an example of brush height boundary. [Caution: Excessive brush that extends above the crimp height/transition wall can cause terminal retention issues inside the plastic cavity and can potentially tear mat seals]. See Figure 3.

B REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011	MX64 ISO (Applie	3 of 17		
DOCUMENT	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROV	/ED BY:
AS-33468-002		Kate Ferguson	Dinesh Hemnani	Brian I	Moser
			TEMPI ATE EII I	ENAME CRIMP SPEC	ISIZE AI(V 1) DOC

APPLICATION SPECIFICATION

Crimp height taller than transition wall; end of brush to be below crimp height boundary



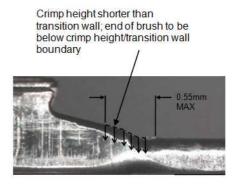


Figure 10

STRIP LENGTH ®

The strip length is determined by measuring the exposed conductor strands after the insulation is removed. The strip length in conjunction with the end-of-insulation position will affect how much the brush length extends past the conductor crimp.

CONDUCTOR CRIMP HEIGHT (9)

The conductor crimp height is measured from the top surface of the formed crimp to the bottom most radial surface. Do not include the extrusion points in this measurement. Measuring the crimp height is a quick, non-destructive way to help ensure the metallurgical compression of the terminal around the wire's conductor is correct and it is an excellent attribute for process control. The crimp heights specified in this document are set specifically for an explicit type of wire to promote its electrical and mechanical performances. See Table 2 for crimp height specifications.

INSULATION CRIMP HEIGHT 11

Insulation crimp heights are specified in Section 3.0, Table 2. The MX64 ISO Grip Receptacle terminals are designed to accommodate multiple wire sizes. Even though the insulation grip may completely surround a smaller wire and only partially surround a larger wire, an acceptable insulation crimp is still provided.

The insulation crimp should be visually evaluated to confirm it provides an adequate compression on the wire. It should also be evaluated by sectioning through the center of the crimped insulation grip. The grip should compress the wire but not pierce it or otherwise damage the integrity of the insulation. The grip should not contact the conductors under any circumstance.

Once the optimum setting for the application is determined it is important for the operator to check and document the insulation crimp height.

REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011	MX64 ISO (Applie	SHEET No. 4 of 17		
DOCUMENT	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROV	/ED BY:
AS-33468-002		Kate Ferguson	Dinesh Hemnani	Brian I	Moser
			TEMPI ATE EII I	ENAME CRIMP SPEC	ISIZE AI(V 1) DOC

APPLICATION SPECIFICATION

EXTRUSIONS (ANVIL FLASH) (13)

These are the burrs that form on the bottom of the conductor crimp resulting from the clearance between the punch and anvil tooling in the crimp applicator. Excessive extrusion will also occur when the anvil is worn or the terminal is over-crimped. An uneven extrusion may also result if the punch and anvil are misaligned, if the feed is misadjusted or if there is insufficient and excessive terminal drag. The cross section should be examined for any resulting cracks in the material. Cracks can undermine the integrity of the crimp and are not allowed under any circumstance. Caution: Anvil flash has the potential to cut mat-seals and should be maintained with specifications. See Section 3.0, Table 3 for anvil flash specifications.

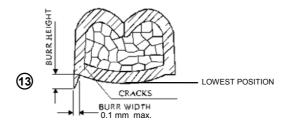


FIGURE 11

CUT-OFF TAB LENGTH 14

This is the material that protrudes outside the insulation crimp after the terminal is separated from the carrier strip. A cut-off tab that is too long may expose a terminal outside the housing and it may fail the electrical spacing requirements. See Section 3.0, Table 3 for cut-off tab length specifications. Caution: Burrs on the cutoff tab are not allowed as they have the potential to cut mat-seals.



FIGURE 12

REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628	MX64 ISO (<u>SHEET No.</u> 5 of 17		
В	DATE: 12/01/2011	Application Specification			
DOCUMENT	ΓNUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:
AS-33468-002		Kate Ferguson	Dinesh Hemnani	Brian I	Moser
			ΤΕΜΡΙ ΔΤΕ ΕΙΙ Ι	FNAME: CRIMP SPEC	ISIZE AI(V 1) DO

APPLICATION SPECIFICATION

CRIMP BULGE (18)

Caution needs to be taken with the crimp tooling to prevent any bulging between the terminal box and the conductor crimp exceeding the box width at the maximum material condition (MMC). The transition from the conductor grip to the box should flow smoothly with no bulging. If any bulging shall occur between the conductor grip and the terminal box it must not exceed the MMC width of 1.95mm.

Any bulging between the conductor crimp and insulation must not exceed the insulations maximum allowable width of 2.05mm. See Figures 13 and 14 below.



FIGURE 13 - NO BULGE

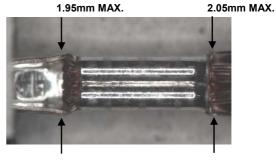


FIGURE 14 - WITH BULGE

GRIP STEP

This is the designed offset between the terminal box and the conductor or insulation grip. The grip step should not be altered during the crimping operation. See section 3.0, Table 3 for grip step specifications.

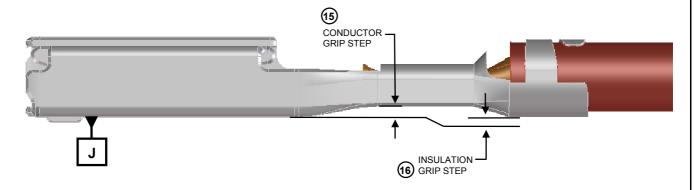


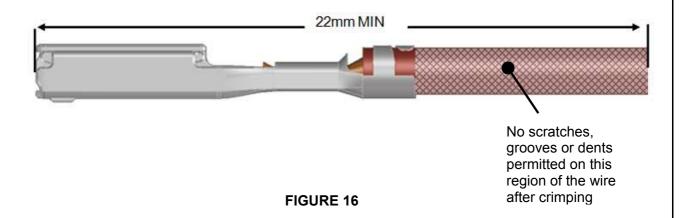
FIGURE 15

REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628	MX64 ISO (SHEET No. 6 of 17		
D	DATE: 12/01/2011	Applic	711	0 01 17	
DOCUMENT	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:
AS-33468-002		Kate Ferguson	Dinesh Hemnani	Brian I	Moser
			TEMPI ATE FILI	ENAME: CRIMP SPEC	ISIZE AI(V 1) DOC

APPLICATION SPECIFICATION

WIRE CONDITION AFTER CRIMP

The wire, after crimping, should not have any scratches, grooves or dents. Such imperfections act as a leak path at the junction between the wire and the mat-seal. At a minimum, check the condition of the wire on a sample length of 22mm as shown in Figure 16.



3.0 PRODUCT SPECIFICATIONS

Table 1

Terminal (Left Payoff "D" Wind	Order No. Right Payoff "B" Wind	Grip Size	· I · · · · Wire Range		Insulation Diameter Range (mm)
33467-0021 33468-0021 34736-0025	33467-0022 33468-0022 34736-0026	Small	А	0.35 mm ²	1.20 – 1.65
33467-0023 33468-0023 34736-0027	33467-0024 33468-0024 34736-0028	Large	В	0.5 - 0.75 mm²	1.40 – 2.06

REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011	MX64 ISO (Applic	7 of 17		
DOCUMEN	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:
AS-33468-002		Kate Ferguson	Kate Ferguson Dinesh Hemnani Brian Moser		
			TEMPLATE FILI	ENAME: CRIMP SPEC	ISIZE AI(V.1).DOC



Table 2

Terminal	Order No.	Validated Wire			Conductor	Crimp	Insulatio	n Crimp		
			validate	u vviie		CCH (mm)	CCW (mm)	ICH [†]	ICW [†]	Pull Force
Left Payoff "D" Wind	Right Payoff "B" Wind	Size	Туре	No. of Strands	Insulation Max OD (mm)	` ,	± 0.05	(mm) ± 0.10	(mm) ±0.10	Minimum (N)
33467-0021 33468-0021 34736-0025		0.35 mm ²	FLR2X-A ^{1,a}	7	1.30	0.96±0.03	1.40	1.55	1.74	50
33467-0023	33467-0024		T3ZHID ^{1,c}		1.60	0.99±0.04		1.90	1.89	75
33468-0023		0.5 11111	FLR2X-A ^{1,a}	19	1.00	0.3310.04	1.80	1.50	1.03	7.5
34736-0027	34736-0028	0.75 mm ²	FLR2X-A ^{1,a}	19	1.80	1.08±0.05		2.10	1.93	90

The above specifications are guidelines for an optimum crimp. Crimp heights/widths are applicable for punch/anvil tooling shown in Figures 19-22.

Pull force should be measured with no influence from the insulation crimp.

Customers are required to complete their own validation testing if tooling and/or wire is different than what is shown in this specification.

[†]Values indicated below are the maximum size permitted for MX64 ISO terminals crimped to wires other than those shown in Table 2 above:

Small Grip (Grip Code A) terminals: ICH Max = 2.10mm, ICW Max = 2.05mm Large Grip (Grip Code B) terminals: ICH Max = 2.20mm, ICW Max= 2.05mm

Terminal crimps were validated to following specifications:
¹USCAR-21

Wires are in accordance with following specifications:

^aISO 6722, GMW15626 (FLR2X-A/T125) and Ford ES-AU5T-1A348-AA (3TAD) ^cPSA B25 1110:NTS – Conventional Electrical Conductor

REVISION:	ECR/ECN INFORMATION:	TITLE: MYGA ISO C	Prin Bosontoolo T	o rmin al	SHEET No.
Ь	EC No: UAU2012-0628		MX64 ISO Grip Receptacle Terminal Application Specification		0 (47
В	DATE: 12/01/2011	Applic	8 of 17		
DOCUMENT	Γ NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:
AS-33468-002		Kate Ferguson Dinesh Hemnani Brian Moser		Moser	
TEMPLATE FILENAME: CRIMP_SPEC[SIZE_A](V.1).DOC					



		Table 3	
		Specifications	
Balloon #	Description	Red	quirement
4		Up	
1	NATion Of a label and a	Down	201111
	Wire Straightness	Left	3° MAX
2		Right	
3	Insulation Grip Straightness	 	D.10 M JE
5	Front Bell Mouth	Not required. If present, height fro	m datum [-J-] must not exceed 1.60mm.
6	Rear Bell Mouth	0.2	25 – 0.45
7	Conductor Brush		to 0.55 MAX nductor crimp/transition height
8	Wire Strip Length		(4.1)
9	Conductor Crimp Height	Sec	e Table 2
10	Conductor Crimp Width	Sec	e Table 2
11	Insulation Crimp Height	Sec	e Table 2
12	Insulation Crimp Width	Sec	e Table 2
13	Conductor Anvil Flash	Burr Height	Not to extend below lowest point on conductor crimp
		Burr Width	0.1 MAX
14	Cut-off Tab Length		50 MAX Irrs allowed
15	Conductor Grip Step		30 ± 0.10
16	Insulation Grip Step		0.10 FOR SMALL GRIP (GRIP CODE 'A') FOR LARGE GRIP (GRIP CODE 'B')
17	Crimp Seam		n and no wire is allowed out crimping area
18	Crimp Bulge	In transition from terminal box to conductor grip In transition from conductor to insulation grip	1.95 MAX 2.05 MAX
19	Checking Aid	Crimped lead must be able t	o pass freely through checking aid ction 8.0, Figure 24

REVISION:	ECR/ECN INFORMATION:	TITLE: MYCA ICO	Prin December L		SHEET No.
В	EC No: UAU2012-0628		MX64 ISO Grip Receptacle Terminal Application Specification		
	DATE: 12/01/2011	Applic		<i>)</i> 11	9 of 17
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:
AS-33468-002		Kate Ferguson Dinesh Hemnani Brian Moser			Moser
			TEMPLATE FILI	ENAME: CRIMP_SPEC	SISIZE A](V.1).DOC

APPLICATION SPECIFICATION

4.0 REFERENCE DOCUMENTS

Reference documentation for general practices are located on the website per the below links:

- 1. Molex Quality Crimping Handbook http://www.molex.com/images/products/apptool/qual crimp.pdf
- 2. Molex-Recognizing Good Crimps http://www.molex.com, search for Application Tooling
 - Reference Tech Library for Good Crimps

5.0 PROCEDURE

5.1 GENERAL MEASUREMENT AND EVALUATION REQUIREMENTS

Crimp Height Measurement (Extrusion Evaluation)

- 1. Complete tool set-up procedure.
- 2. Crimp a minimum of 5 samples.
- 3. Place the flat blade of the crimp micrometer (Figure 17) across the center of the dual radii of the conductor crimp. Do not take the measurement near the conductor bell mouth.
- 4. Rotate the micrometer dial until the point contacts the bottom most radial surface. If using a caliper, be certain not to measure the extrusion points (anvil flash) of the crimp.
- 5. To check for extrusion (anvil flash) use the caliper (Figure 18) to measure the crimp height. If the caliper measurement is greater than the crimp micrometer measurement the extrusion is not acceptable.

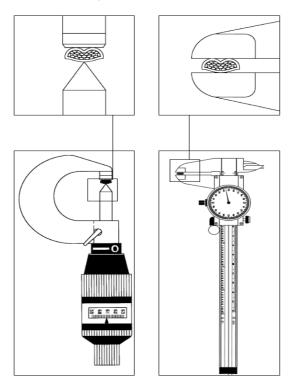


Figure 17 Figure 18

B REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011	MX64 ISO (Applie	10 of 17		
DOCUMENT	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROV	<u>ED BY:</u>
AS-33468-002		Kate Ferguson	Dinesh Hemnani	Brian I	Moser
1			TEMPI ATE FILI	ENAME CRIMP SPEC	ISIZE AI(V 1) DOC

Part No

APPLICATION SPECIFICATION

6.0 CRIMP TOOLING GEOMETRY

The crimp tooling information shown below is based on the tooling that Molex used to perform USCAR-21 (Crimp performance) and to establish recommended crimp height and widths. Based on the guidelines of USCAR-21 the user is responsible for validating crimp performance based on tooling, equipment and wire that is being used.

6.1 INSULATION PUNCH

П

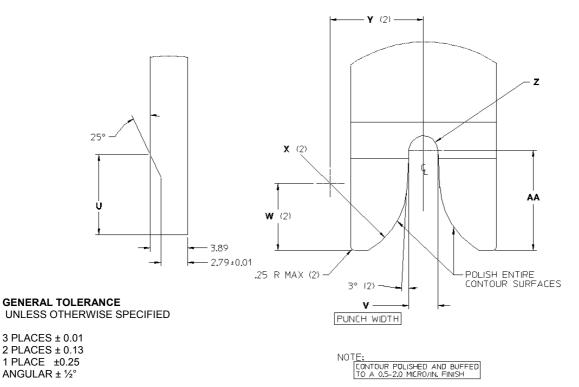


FIGURE 19

TABLE 4

Y

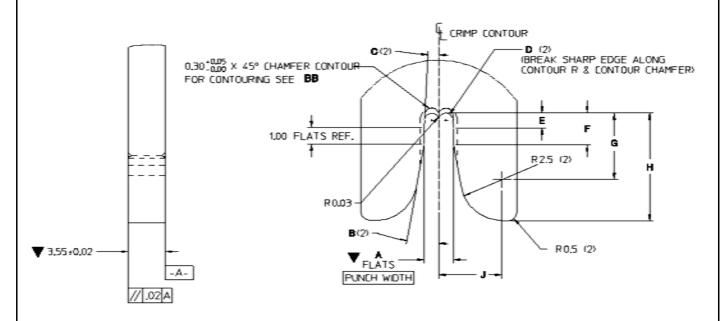
ΔΔ

W

Part No.	0	v		VV		^	T	_	AA
33467-0021 33468-0021 33467-0022 33468-0022 34736-0025 34736-0026	7.43	1.75 ±	0.01	4.02	F	₹ 5.08	6.07	0.876 ± 0.01	6.01
33467-0023 33468-0023 33467-0024 33468-0024 34736-0027 34736-0028	8.33	1.88 ± (0.01	4.35	R	5.00	6.06	0.94 ± 0.01	6.50
<u></u>	CR/ECN INFORM		TITLE:			•	ceptacle ⁻		SHEET No.
B -	DATE: 12/01/201			Αp	plic	plication Specification			11 of 17
DOCUMENT NUMBER:			CREATED / REVISED BY:			CHECKED BY: APPRO		APPROV	ED BY:
AS-33468-002			Kate Ferguson Dinesh Hemnani Brian			Brian N	loser		
	TEMPLATE FILENAME: CRIMP_SPEC[SIZE_A](V.1).DOC								

APPLICATION SPECIFICATION

6.2 CONDUCTOR PUNCH



GENERAL TOLERANCEUNLESS OTHERWISE SPECIFIED

3 PLACES \pm 0.01 2 PLACES \pm 0.13 1 PLACE \pm 0.25 ANGULAR \pm ½° NOTE:

CONTOUR GROUND. POLISHED, AND BUFFED TO A 0,5-2,0 MICRO/IN, FINISH

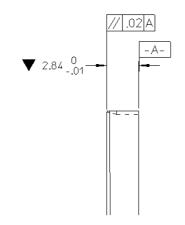
FIGURE 20

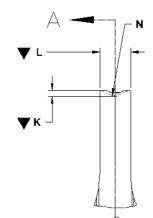
	TABLE 5									
Part No.	Α	В	С	D	E	F	G	Н	J	BB
33467-0021 33468-0021 33467-0022 33468-0022 34736-0025 34736-0026	1.396 +0.01/-0	6.56°	2°	R0.35 ± 0.01	0.80 ± 0.03	1.80	3.94	6.43	3.46	CHAMFER ENTIRE CONTOUR ON REAR, TOP RADIUS ONLY ON FRONT
33467-0023 33468-0023 33467-0024 33468-0024 34736-0027 34736-0028	1.786 +0.01/-0	10.14°	3°	R0.45 ± 0.01	0.91 ± 0.03	1.91	4.04	6.53	3.81	CHAMFER TOP RADIUS ONLY (FRONT & REAR)

В	EC No: UAU2012-0628 DATE: 12/01/2011	Applio	.	12 of 17	
DOCUMENT	ΓNUMBER:	CREATED / REVISED BY: CHECKED BY: APPROV		/ED BY:	
AS-33468-002		Kate Ferguson Dinesh Hemnani Brian M			Moser

APPLICATION SPECIFICATION

6.3 INSULATION ANVIL

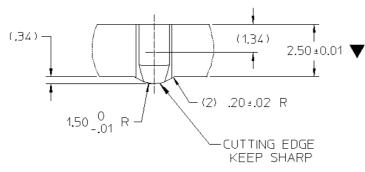




GENERAL TOLERANCE

UNLESS OTHERWISE SPECIFIED

3 PLACES ± 0.01 2 PLACES ± 0.13 1 PLACE ±0.25 ANGULAR ± ½°



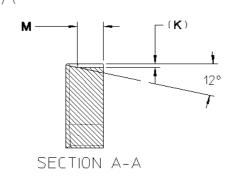


FIGURE 21

	TABLE 6								
Part No.	K	L	M	N					
33467-0021									
33468-0021									
33467-0022	0.30 ± 0.03	1.70 +0/-0.01	1.97 ± 0.03	R1.02 ± 0.03					
33468-0022	0.30 ± 0.03	1.70 +0/-0.01	1.97 ± 0.03	R1.02 ± 0.03					
34736-0025									
34736-0026									
33467-0023									
33468-0023									
33467-0024	0.25 + 0.02	1 90 +0/ 0 01	2.40 + 0.02	D0 00 + 0 02					
33468-0024	0.35 ± 0.03	1.89 +0/-0.01	2.10 ± 0.03	R0.98 ± 0.03					
34736-0027									
34736-0028									

	TEMPLATE FILENAME: CRIMP. SPECISIZE AI(V, 1). DOC							
AS-33468-002		Kate Ferguson	Kate Ferguson Dinesh Hemnani Brian					
DOCUMENT	ΓNUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:			
	DATE: 12/01/2011	Applic	Application Specification					
В	EC No: UAU2012-0628		13 of 17					
REVISION:	ECR/ECN INFORMATION:	TITLE:	Grip Receptacle To	orminal	SHEET No.			

APPLICATION SPECIFICATION

6.4 CONDUCTOR ANVIL

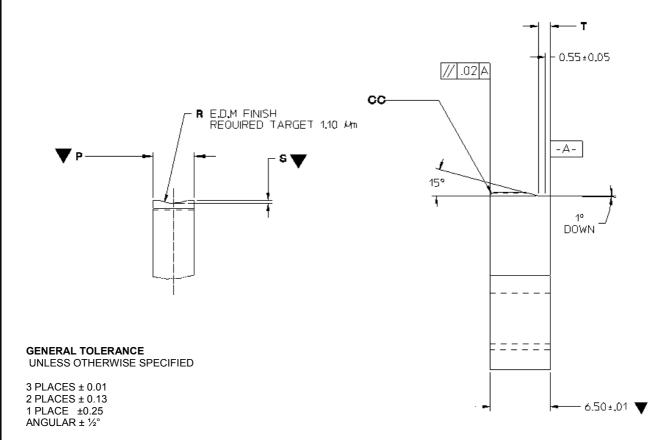


FIGURE 22

TABLE 7

Part N	0.	Р	R		S	Т		CC
33467-0 33468-0 33467-0 33468-0 34736-0 34736-0	0021 0022 0022 0025	1.38 +0/-0.01	R1.30 ± 0.01	0	1.09 ± 0.03	1.38 ±	0.05	0.30 ± 0.03 x 45°
33467-0 33468-0 33467-0 33468-0 34736-0 34736-0	0023 0024 0024 0027	1.77 +0/-0.01	R1.71 ± 0.01	0	.11 ± 0.03	1.29 ±	0.05	0.35 ± 0.03 x 45°
REVISION: ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011					Grip Recept cation Spec			14 of 17
DOCUMENT NUMBER:			CREATED / REVISED BY: CHECKED BY: APPRO			ROVED BY:		
AS-33468-002			Kate Ferguson Dinesh Hemnani Brian N			an Moser		
	TEMPLATE FILENAME: CRIMP_SPEC[SIZE_A](V.1).DOC							

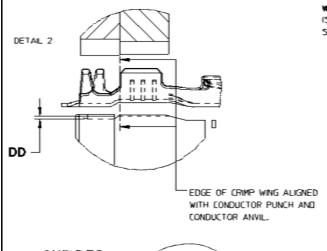


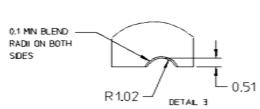
7.0 CRIMP STRAIGHTNESS, WIRE PRESS AND OFFSET

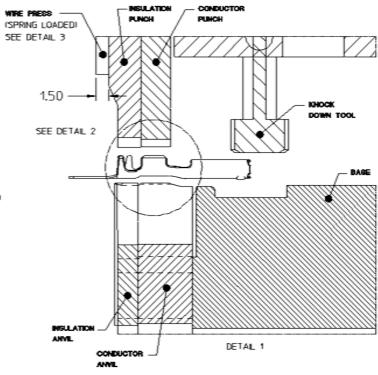
See Detail 1 for a method for maintaining crimp straightness.

See Detail 2 for offset required between the radii on anvils.

See Detail 3 for Molex recommended wire press design.







GENERAL TOLERANCEUNLESS OTHERWISE SPECIFIED

3 PLACES ± 0.01 2 PLACES ± 0.13 1 PLACE ±0.25 ANGULAR ± ½°

FIGURE 23

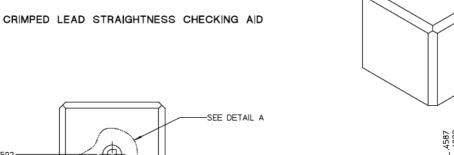
TABLE 8						
Part No.	DD					
33467-0021						
33468-0021						
33467-0022	0.2 + 0.04					
33468-0022	0.2 ± 0.04					
34736-0025						
34736-0026						
33467-0023						
33468-0023						
33467-0024	0.3 + 0.04					
33468-0024	0.3 ± 0.04					
34736-0027						
34736-0028						

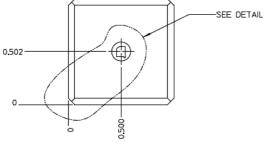
AS-33468-002		Kate Ferguson	Kate Ferguson Dinesh Hemnani Bria		Moser	
DOCUMEN	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:	
	DATE: 12/01/2011	Дри		ition opecinication 13		
В	EC No: UAU2012-0628		Grip Receptacle To cation Specification		15 of 17	
REVISION:	ECR/ECN INFORMATION:	TITLE:	Crin Pagantagla T	orminal	SHEET No.	

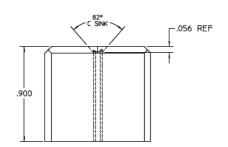
APPLICATION SPECIFICATION

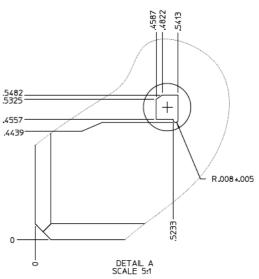
8.0 CHECKING AID

Crimped terminal lead must be able to pass freely through checking aid shown.









 \bigcirc

Figure 24

Checking Aid Notes: (Unless otherwise specified)

1) Material: Steel 4140 Pre-hardened

2) Finish:

a) Surface: Block Oxide b) Inside Profile: Polish 3) All Dimensions are in inches

4) Tolerances are in inches

2 Places ± 0.01 3 Places ± 0.005 4 Places ± 0.0002

SUPPLIER CHECKING AID TOOLING							
PART NUMBER	DESCRIPTION						
63867-3008	MX64 CRIMPED LEAD STRAIGHTNESS CHECKING AID						

REVISION:	ECR/ECN INFORMATION:	TITLE:	Prin December L	SHEET No.			
В	EC No: UAU2012-0628		MX64 ISO Grip Receptacle Terminal Application Specification				
	DATE: 12/01/2011	Дрік	Application Specification				
DOCUMENT	NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:		
AS-33468-002		Kate Ferguson Dinesh Hemnani Bria		Brian I	Moser		
TEMPLATE ELLENAME: CRIMP SPECISITE AVAILADING							

APPLICATION SPECIFICATION

9.0 APPLICATOR TOOLING

Applicator tooling for the MX64 ISO Grip Receptacle Terminal can be obtained directly from Molex. See table below for description and product numbers. Molex FineAdjustTM Applicator tooling requires the use of left payoff ("D" Wind) parts.

SUPPLIER APPLICATOR TOOLING TABLE	
Description	Molex Product No.
Hand Crimp Tool for MX64 ISO Receptacle Terminal, 0.35mm ²	TBD
FineAdjust™ Applicator for MX64 ISO Receptacle Terminal, 0.35mm²	63902-5100
Hand Crimp Tool for MX64 ISO Receptacle Terminal, 0.50, 0.75 mm ²	TBD
FineAdjust™ Applicator for MX64 ISO Receptacle Terminal, 0.50, 0.75 mm²	63902-5300

<u>Note:</u> Applicator tooling product numbers are subject to change without prior notice. Customers are advised to check the Molex website for the most up-to-date information.

REVISION:	ECR/ECN INFORMATION: EC No: UAU2012-0628 DATE: 12/01/2011	MX64 ISO (Applic	17 of 17				
DOCUMENT	Γ NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPRO\	/ED BY:		
AS-33468-002		Kate Ferguson	Kate Ferguson Dinesh Hemnani Brian		Moser		
	TEMPLATE FILENAME: CRIMP, SPECISIZE, ALV 1) DOC						