

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0334680002

Status:

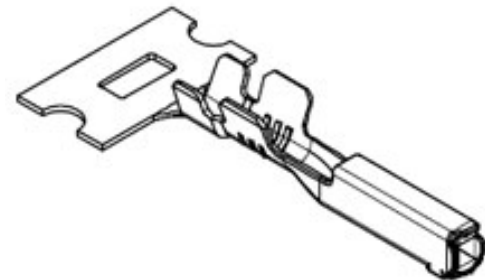
Active

Overview:

mx64_sealed_single_row_connectors

Description:

2.54mm (.100") Pitch MX64™ Terminal, Tin (Sn) Plating, 22 AWG, Left Reel Payoff, Also used with MX123™ Female Receptacle Housing



Series

image - Reference only

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Terminals
Series	33468
Comments	Left Reel Payoff
Crimp Quality Equipment	Yes
Overview	mx64_sealed_single_row_connectors
Product Name	MX123, MX64™

Physical

Gender	Female
Material - Metal	Copper
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.5
Plating min: Termination (µin)	76
Plating min: Termination (µm)	1.90
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.50-2.06mm (.059-.081")
Wire Size AWG	22
Wire Size mm²	N/A

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-30907-759, PK-31300-516
Sales Drawing	SD-33468-001

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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.

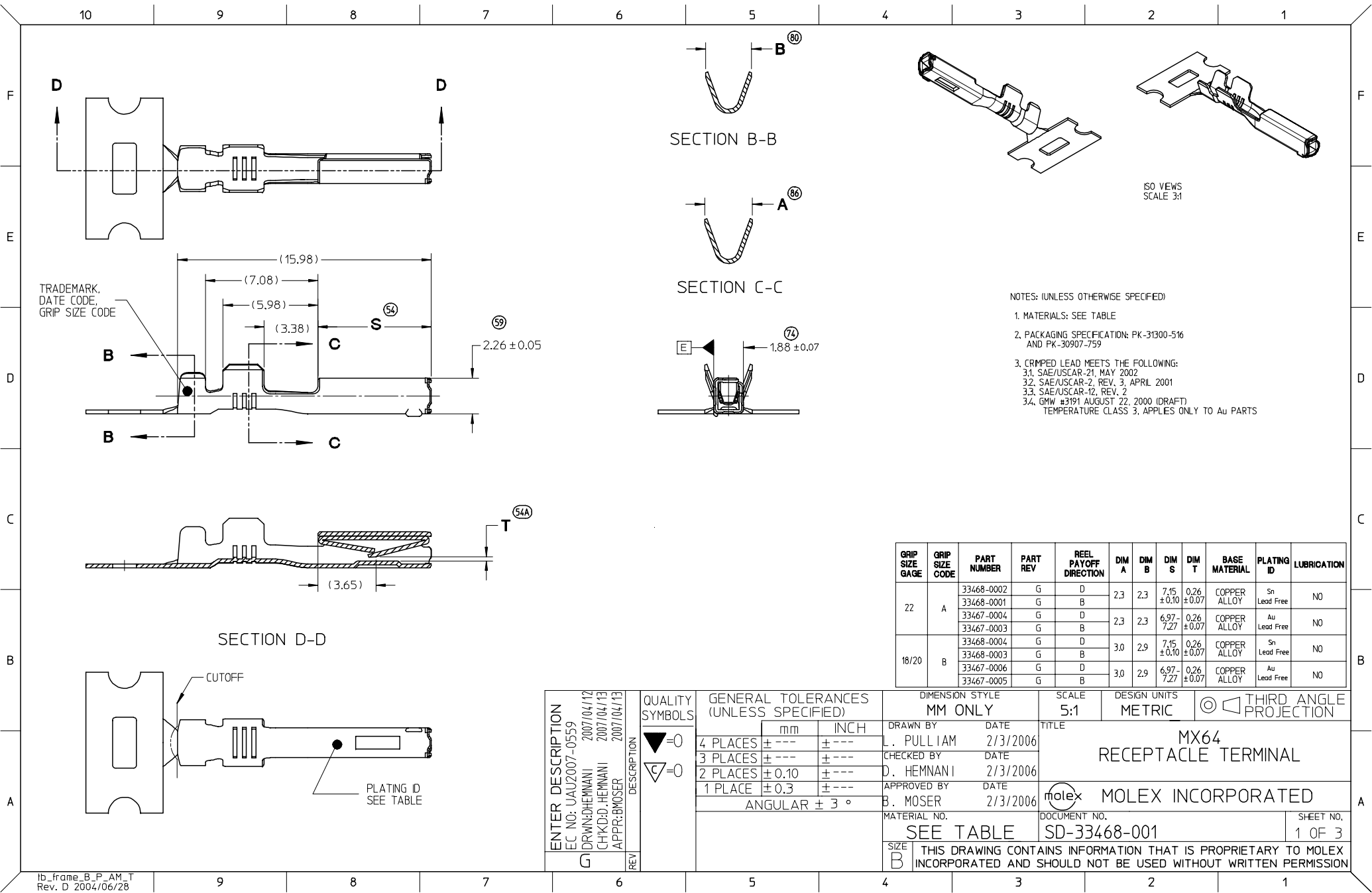
Search Parts in this Series
33468Series

Use With
MX64™ Sealed Single Row Crimp Housing
31403 , MX123™ Female Receptacle
Housing 34566 , 34576

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	0638114200
Manual Extraction Tool	0638131400
FineAdjust™ Applicator	0638673100

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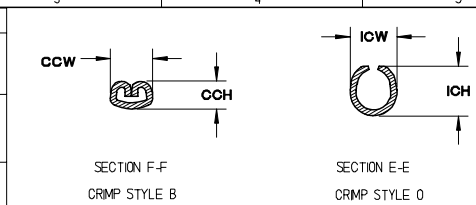
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- 1. MATERIALS: SEE TABLE
 - 2. PACKAGING SPECIFICATION: PK-31300-516 AND PK-30907-759
 - 3. CRIMPED LEAD MEETS THE FOLLOWING:
 - 3.1. SAE/USCAR-21, MAY 2002
 - 3.2. SAE/USCAR-2, REV. 3, APRIL 2001
 - 3.3. SAE/USCAR-12, REV. 2
 - 3.4. GMW #3191 AUGUST 22, 2000 (DRAFT) TEMPERATURE CLASS 3, APPLIES ONLY TO Au PARTS

GRIP SIZE GAGE	GRIP SIZE CODE	PART NUMBER	PART REV	REEL PAYOFF DIRECTION	DIM A	DIM B	DIM S	DIM T	BASE MATERIAL	PLATING ID	LUBRICATION
22	A	33468-0002	G	D	2.3	2.3	7.15 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Sn Lead Free	NO
		33468-0001	G	B							
		33467-0004	G	D	2.3	2.3	6.97-7.27	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO
18/20	B	33467-0003	G	B							
		33468-0004	G	D	3.0	2.9	7.15 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Sn Lead Free	NO
		33468-0003	G	B							
		33467-0006	G	D	3.0	2.9	6.97-7.27	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO
		33467-0005	G	B							

ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN:DHENANI 2007/04/12 CHKD:D. HEMNANI 2007/04/13 APPR:BMOSER 2007/04/13 REV G			DESCRIPTION	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
						mm	INCH	DRAWN BY L. PULLIAM	DATE 2/3/2006	TITLE MX64 RECEPTACLE TERMINAL				
					4 PLACES	± ---	± ---	CHECKED BY D. HEMNANI	DATE 2/3/2006					
					3 PLACES	± ---	± ---	APPROVED BY B. MOSER	DATE 2/3/2006	MOLEX MOLEX INCORPORATED				
		ANGULAR ± 3 °				MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-33468-001		SHEET NO. 1 OF 3				
						SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

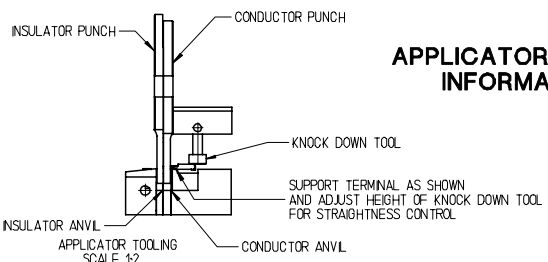
WIRE APPLICATION SEE NOTE 2		APPLICATOR TOOLING INFORMATION TABLE																				
SAE AWG	METRIC mm ²	A	B	C	D	E	F	G	H	J	K	L	M	N	P AT T	R	S	T				
FOR TOLERANCE SEE APPLICATOR TOOLING TOLERANCE TABLE																						
18	(0.8)	0.470	1.803	7.1	12.13	0.944	6.5	1.783	1.83	1.885	0.98	0.98	0.22	2.10	1.90	0.34	2.10	0.98				
20	(0.5)	0.470	1.803	7.1	12.13	0.944	6.5	1.783	1.83	1.885	0.98	0.98	0.22	2.10	1.90	0.34	2.10	0.98				
22	(0.35)	0.353	1.457	7.4	12.14	0.880	6.3	1.435	2.29	1.700	1.02	0.89	0.17	1.97	1.71	0.31	1.27	0.68				

TERMINAL CRIMP INFORMATION TABLE									
PART NUMBER	CONDUCTOR CRIMP HEIGHT CCH		CONDUCTOR CRIMP WIDTH CCW		INSULATOR CRIMP HEIGHT ICH		INSULATOR CRIMP WIDTH ICW		
	TOL. ±0.05mm		TOL. ±0.05mm		TOL. ±0.1mm		TOL. ±0.1mm		
33467-0005	1.15	1.80	2.10	1.95					
33467-0006									
33468-0003									
33468-0004									
33467-0005	1.10	1.80	1.95	1.95					
33467-0006									
33468-0003									
33468-0004									
33467-0003	0.95	1.45	1.60	1.80					
33467-0004									
33468-0001									
33468-0002									

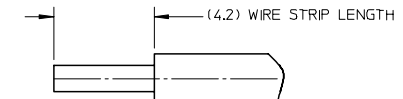
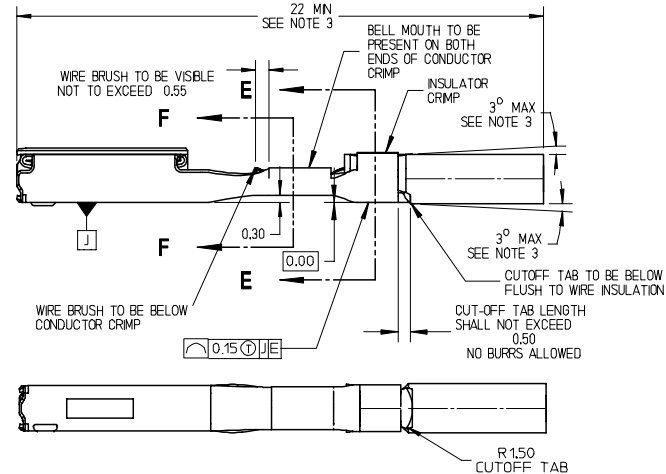
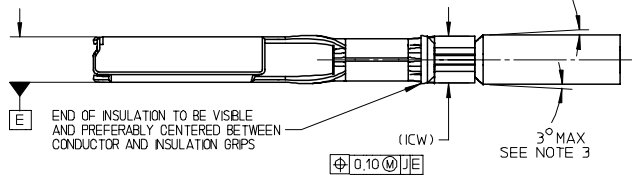


SUPPLIER APPLICATOR TOOLING TABLE		SEE NOTE 42
PART NUMBER	DESCRIPTION	
63867-3000	MX64 CRIMP APPLICATOR WITH APPLICATOR TOOL KIT 18/20 AWG PAYOFF DIRECTION D (LEFT PAYOFF) (CONTACT MOLEX FOR PAYOFF DETAIL)	
63867-3070	MX64 APPLICATOR TOOL KIT 18/20 AWG	
63867-3100	MX64 CRIMP APPLICATOR WITH APPLICATOR TOOL KIT 22 AWG PAYOFF DIRECTION D (LEFT PAYOFF) (CONTACT MOLEX FOR PAYOFF DETAIL)	
63867-3170	MX64 APPLICATOR TOOL KIT 22 AWG	

APPLICATOR TOOLING INFORMATION



APPLICATOR TOOLING TOLERANCE TABLE	
3 PLACE	±0.005
2 PLACE	±0.025
1 PLACE	±0.13
ANGULAR	+0.5°



THIS SHEET APPLIES TO RECEPTACLE CRIMPED LEAD ONLY

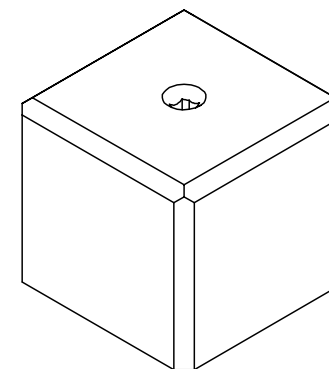
ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN:HEMNANI 2007/04/12 CHK'D:D.HEMNANI 2007/04/13 APPR:BMOSER 2007/04/13		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
						DRAWN BY DATE		TITLE MX64 RECEPTACLE TERMINAL						
						CHECKED BY DATE								
						APPROVED BY DATE								
						1 PLACE ±0.3 ±---		B. MOSER 2/3/2006		MOLEX INCORPORATED				
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.					SHEET NO.			
						SEE TABLE		SD-33468-001					2 OF 3	
		REV				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN:HEMNANI 2007/04/12 CHK'D:D.HEMNANI 2007/04/13 APPR:BMOSER 2007/04/13		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
						DRAWN BY DATE		TITLE MX64 RECEPTACLE TERMINAL						
						CHECKED BY DATE								
						APPROVED BY DATE								
						1 PLACE ±0.3 ±---		B. MOSER 2/3/2006		MOLEX INCORPORATED				
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.					SHEET NO.			
						SEE TABLE		SD-33468-001					2 OF 3	
		REV				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN:HEMNANI 2007/04/12 CHK'D:D.HEMNANI 2007/04/13 APPR:BMOSER 2007/04/13		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
						DRAWN BY DATE		TITLE MX64 RECEPTACLE TERMINAL						
						CHECKED BY DATE								
						APPROVED BY DATE								
						1 PLACE ±0.3 ±---		B. MOSER 2/3/2006		MOLEX INCORPORATED				
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.					SHEET NO.			
						SEE TABLE		SD-33468-001					2 OF 3	
		REV				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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			mm INCH		DRAWN BY L. PULLIAM	DATE 2/3/2006	TITLE MX64 RECEPTACLE TERMINAL				
			4 PLACES ± --- ± ---		CHECKED BY D. HEMNANI	DATE 2/3/2006					
			3 PLACES ± --- ± ---		APPROVED BY B. MOSER						
			2 PLACES ± 0.10 ± ---		MATERIAL NO. SEE TABLE			DOCUMENT NO. SD-33468-001			SHEET NO. 2 OF 3
1 PLACE ± 0.3 ± ---		ANGULAR ± 3 °			MOLEX INCORPORATED						
REV	G					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

SUPPLIER CHECKING AID TOOLING	
PART NUMBER	DESCRIPTION
63867-3008	MX64 CRIMPED LEAD STRAIGHTNESS CHECKING AID FOR 18 AWG, 20 AWG AND 22 AWG



- NOTES: (UNLESS OTHERWISE SPECIFIED)
1. MATERIAL: STEEL 4140 PREHARDENED
 2. FINISH:
2.1 SURFACE: BLACK OXIDE
2.2 INSIDE PROFILE: POLISH
 3. ALL DIMENSIONS ON THIS SHEET ARE IN INCHES
 4. TOLERANCES ON THIS SHEET ARE IN INCHES
2 PLACES $\pm .01$
3 PLACES $\pm .005$
4 PLACES $\pm .0002$

CRIMPED LEAD STRAIGHTNESS CHECKING AID FOR 18 AWG, 20 AWG AND 22 AWG

THIS SHEET APPLIES TO
RECEPTACLE CRIMPED LEAD ONLY

ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN BY: DR.MNDHEMNANI 2007/04/12 CHK'D BY: HEMNANI 2007/04/13 APPR: B.MOSER 2007/04/13	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY	DATE	TITLE MX64 RECEPTACLE TERMINAL		MOLEX INCORPORATED		
		4 PLACES	± ---	± ---	L. PULLIAM	2/3/2006					
		3 PLACES	± ---	± ---	CHECKED BY	DATE					
		2 PLACES	± 0.10	± ---	D. HEMNANI	2/3/2006					
		1 PLACE	± 0.3	± ---	APPROVED BY	DATE	MOLEX INCORPORATED		DOCUMENT NO. SD-33468-001	SHEET NO. 3 OF 3	
		ANGULAR ± 3 °		B. MOSER	2/3/2006						
				MATERIAL NO.	SEE TABLE						
		REV	DESCRIPTION			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				