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Part Number: [0334670006](#)
Status: **Active**
Overview: [mx64_sealed_single_row_connectors](#)
Description: 2.54mm (.100") Pitch MX64™ Terminal, Gold (Au) Plating, 18-20 AWG, Left Reel Payoff, Also used with MX123™ Female Receptacle Housing

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family Crimp Terminals
Series [33467](#)
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 Gold
Packaging Type Reel
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Termination Interface: Style Crimp or Compression
Wire Insulation Diameter 1.50-2.06mm (.059-.081")
Wire Size AWG 18, 20
Wire Size mm² N/A

Material Info

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

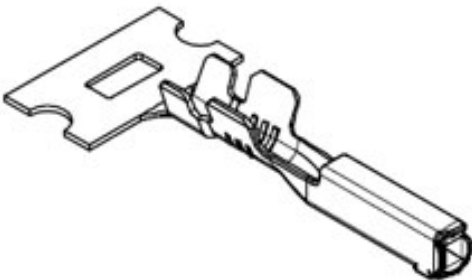


image - Reference only

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

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.

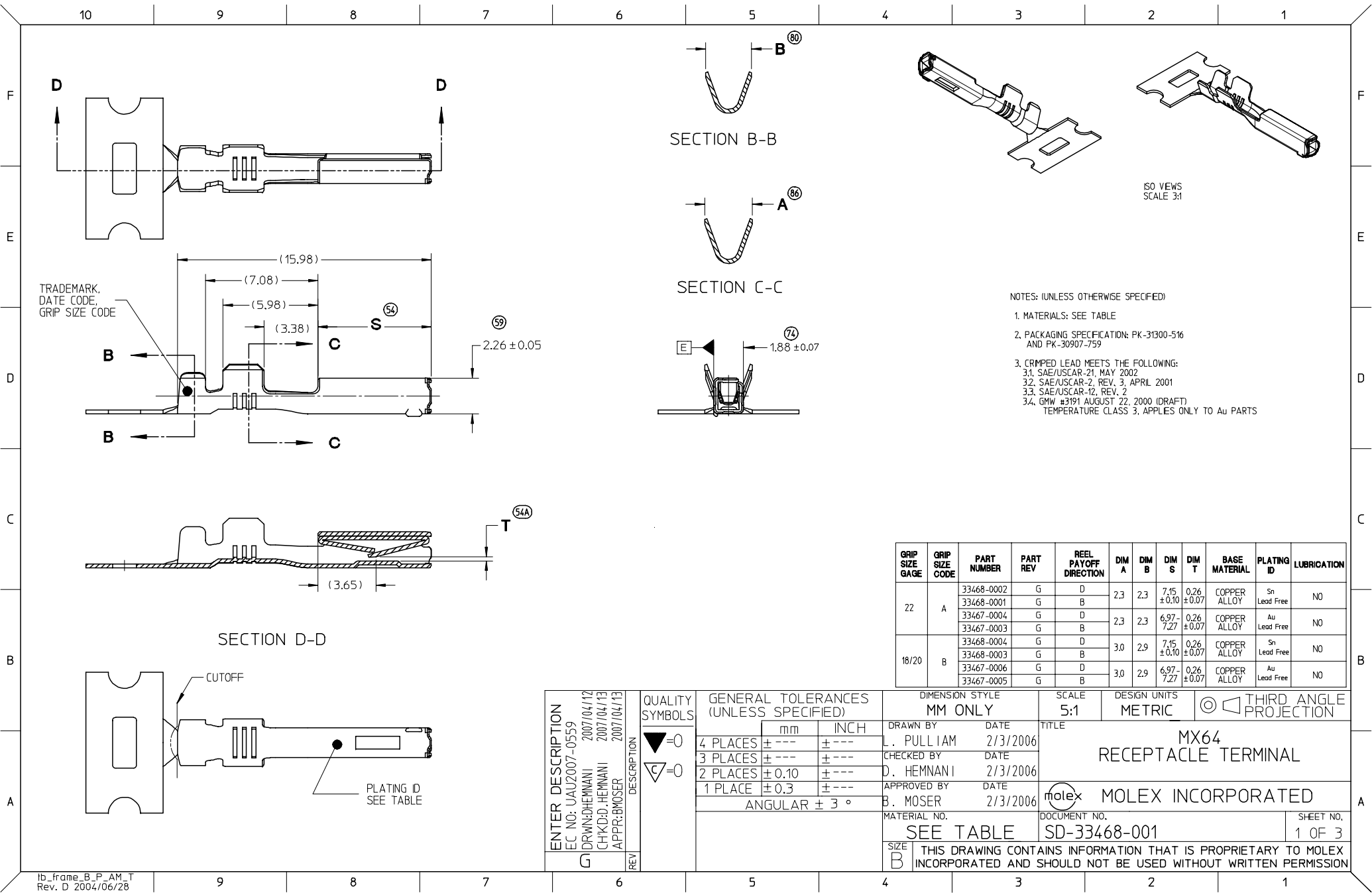
Search Parts in this Series
[33467Series](#)

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	0638673000

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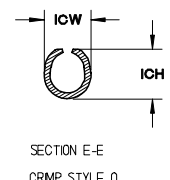
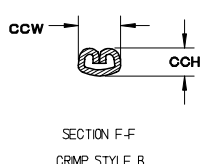
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- 1. MATERIALS: SEE TABLE
 - 2. PACKAGING SPECIFICATION: PK-31300-516 AND PK-30907-759
 - 3. CRIMPED LEAD MEETS THE FOLLOWING:
 - 3.1. SAE/USCAR-21, MAY 2002
 - 3.2. SAE/USCAR-2, REV. 3, APRIL 2001
 - 3.3. SAE/USCAR-12, REV. 2
 - 3.4. GMW #3191 AUGUST 22, 2000 (DRAFT) 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	2.3	2.3	6.97 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO
		33467-0003	G	B	2.3	2.3	6.97 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO
18/20	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	3.0	2.9	6.97 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO
		33467-0006	G	D	3.0	2.9	6.97 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO
		33467-0005	G	B	3.0	2.9	6.97 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Au Lead Free	NO

ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN:HEMNANI 2007/04/12 CHKD:D. HEMNANI 2007/04/13 APPR:BMOSER 2007/04/13 REV G		QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION						
					DRAWN BY L. PULLIAM		DATE 2/3/2006		TITLE MX64 RECEPTACLE TERMINAL						
					CHECKED BY D. HEMNANI		DATE 2/3/2006								
					APPROVED BY B. MOSER		DATE 2/3/2006		MOLEX INCORPORATED						
											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				

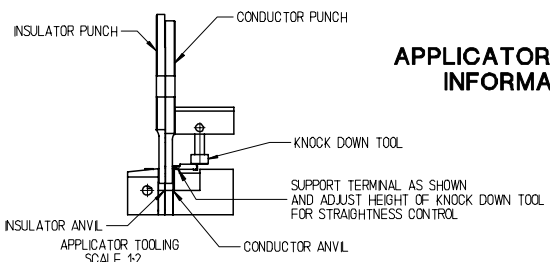
TERMINAL CRIMP INFORMATION TABLE												
PART NUMBER		CONDUCTOR CRIMP HEIGHT CCH TOL. ±0.05mm	CONDUCTOR CRIMP WIDTH CCW TOL. ±0.05mm	INSULATOR CRIMP HEIGHT ICH TOL. ±0.1mm	INSULATOR CRIMP WIDTH ICW TOL. ±0.1mm							
33467-0005												
		1.15	1.80	2.10	1.95							
33467-0006												
		1.10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



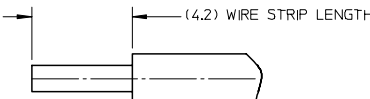
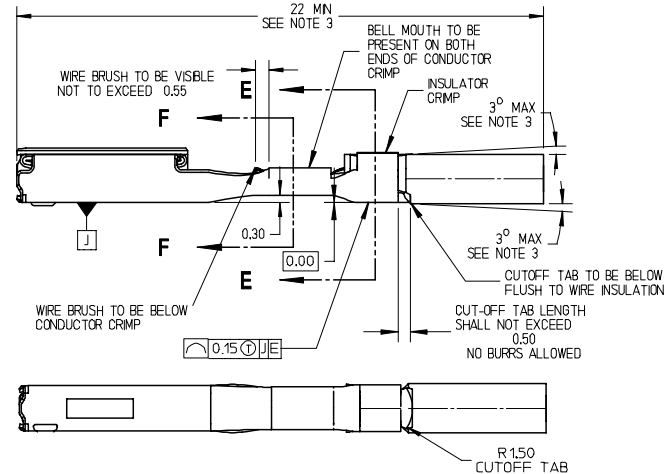
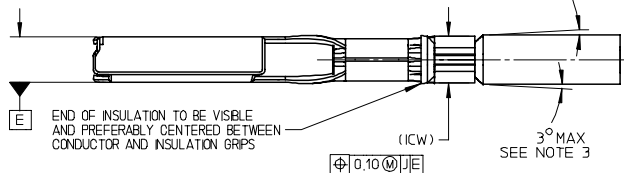
SUPPLIER APPLICATOR TOOLING TABLE		SEE NOTE 42
PART NUMBER	DESCRIPTION	
63867-3000	MX64 CRMP APPLICATOR WITH APPLICATOR TOOL KIT 18/20 AWG PAYOFF DIRECTION D (LEFT PAYOFF) (CONTACT MOLEX FOR PAYOFF DETAIL)	
63867-3070	MX64 APPLICATOR TOOL KIT 18/20 AWG	
63867-3100	MX64 CRMP APPLICATOR WITH APPLICATOR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

- NOTES: (UNLESS OTHERWISE SPECIFIED, APPLIES TO CRIMPED LEAD ONLY)
- TERMINAL:
 - MATING (BLADE/PIN) SHALL CONFORM TO EWCAP-001 REV. B
 - RECEPTACLE CRIMPED LEAD MUST BE USED WITH MATCHING PLATING TYPE ON MALE TERMINAL
 - WIRE SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - SAE: ESB-MIL123-A
WSS-MIL135-A1
SAE J1128 WITH OUTSIDE DIAMETER OF 1.47mm MINIMUM - 2.06mm MAXIMUM
 - METRIC: WSK-MIL126-A1
 - WIRE CONDITION AFTER CRIMP:
 - CRIMPED TERMINAL LEAD MUST BE ABLE TO PASS FREELY THROUGH THE CHECKING AD SHOWN ON SHEET 3
 - WIRE SURFACE MUST BE FREE OF SCRATCHES, GROVES OR DENTS
 - TOOLING:
 - FOR HAND CRIMPED TOOLING REFER 63811-4200
 - FOR APPLICATOR TOOLING REFER TO APPLICATOR TOOLING INFORMATION OR SUPPLIER APPLICATOR TOOLING TABLE

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

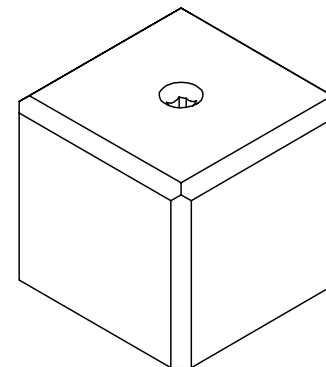
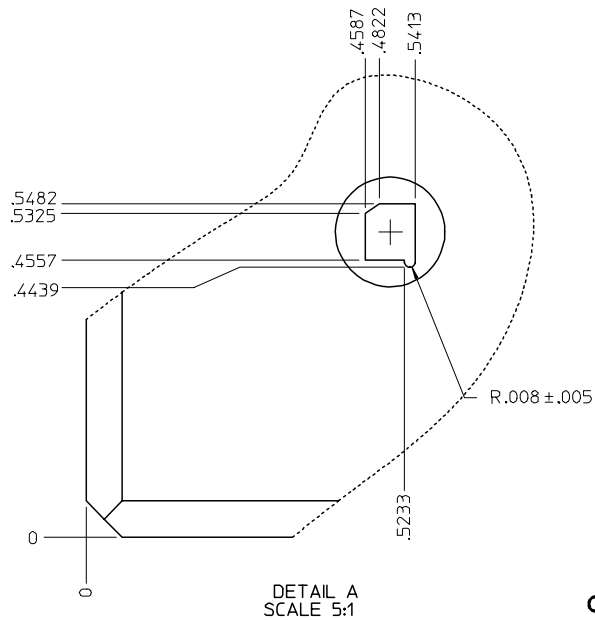
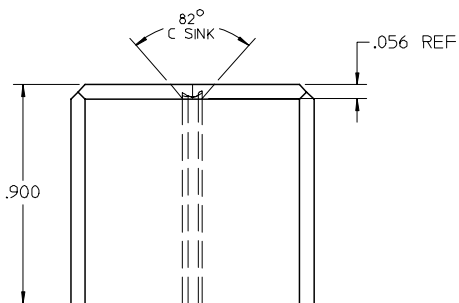
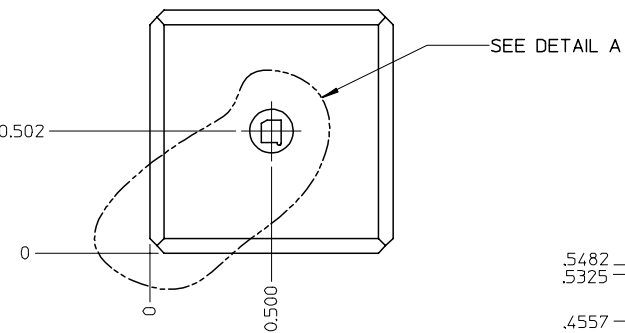
ENTER DESCRIPTION EC NO: UAU2007-0559 DRAWN:HEMNI 2007/04/12 CHKD:D.HEMNANI 2007/04/13 APPR:BMOSER 2007/04/13		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY				SCALE 5:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
				mm		INCH		DRAWN BY L. PULLIAM		DATE 2/3/2006		TITLE MX64 RECEPTACLE TERMINAL					
				4 PLACES ± ---		± ---		CHECKED BY D. HEMNANI		DATE 2/3/2006							
				3 PLACES ± ---		± ---											
				2 PLACES ± 0.10		± ---											
1 PLACE ± 0.3		± ---						APPROVED BY B. MOSER		DATE 2/3/2006		MOLEX 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							

SCALE 5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE MX64 RECEPTACLE TERMINAL			
molex MOLEX INCORPORATED			
DOCUMENT NO. SD-33468-001			SHEET NO. 2 OF 3
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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DOCUMENT NO. SD-33468-001	SHEET NO. 2 OF 3
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DOCUMENT NO. SD-33468-001	SHEET NO. 2 OF 3
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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 ± .01
 - 3 PLACES ± .005
 - 4 PLACES ± .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 GIDRWNDHEMNANI 2007/04/12 CHKDDJ.HEMNANI 2007/04/13 APPR:BMOSE 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			
		4 PLACES	± ---	± ---	L. PULLIAM	2/3/2006				
		3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED			
		2 PLACES	± 0.10	± ---	D. HEMNANI	2/3/2006				
		1 PLACE	± 0.3	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-33468-001			
		ANGULAR ± 3 °		B. MOSER	2/3/2006					
				MATERIAL NO.		SHEET NO. 3 OF 3				
				SEE TABLE						
				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				