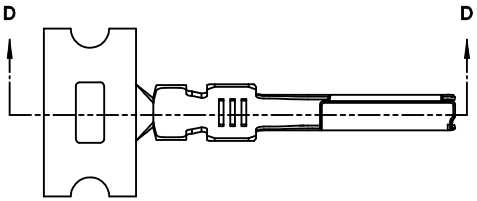
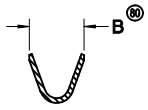
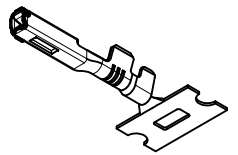
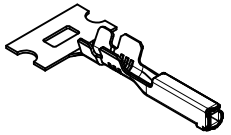


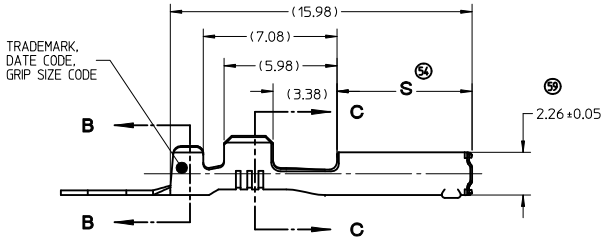


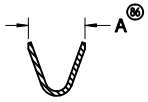
SECTION B-B



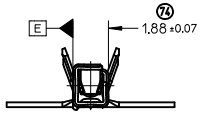


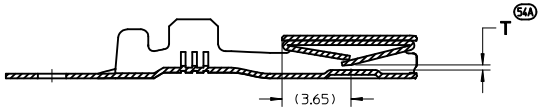
ISO VIEWS
SCALE 3:1



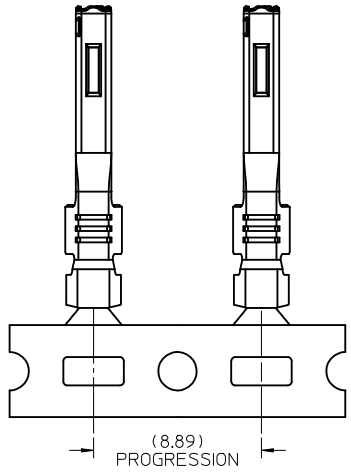


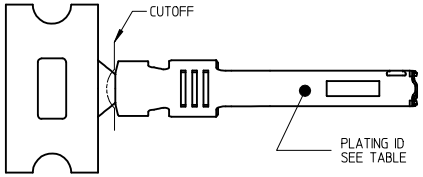
SECTION C-C





SECTION D-D





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
   3.5 GMW #3191 JANUARY, 2005
   TEMPERATURE CLASS 3, APPLIES ONLY TO Ag PARTS

4. PLATING NOTES:

   4.1 TIN PLATING (ENTIRE TERMINAL)

   4.1.1 ELECTRO REFLOW 1.90 - 3.30 MICROMETERS TIN OVER 0.25 - 0.76
   MICROMETERS NICKEL

   4.2 GOLD PLATING

   4.2.1 UNDERPLATE OVERALL 1.25-2.25 MICROMETERS DUCTILE
   SULPHAMATE NICKEL

   4.2.2 ELECTRODEPOSITED GOLD 0.76 - 1.5 MICROMETERS IN
   CONTACT AREAS

   4.2.3 ELECTRODEPOSITED TIN MATTE FINISH 2.5 - 4.0 MICROMETERS
   IN CRIMP AREA

   4.3 SILVER PLATING

   4.3.1 UNDERPLATE OVERALL 1.25-2.25 MICROMETERS DUCTILE
   SULPHAMATE NICKEL

   4.3.2 ELECTRODEPOSITED PURE SILVER 99.5% PURITY SEMI-BRIGHT
   FINISH WITH NO BRIGHTENERS OR CHROMATES 1.9 - 3.3
   MICROMETERS IN CONTACT AREAS

   4.3.3 ANTI-TARNISH TREATMENT FOR SILVER PLATED AREA:
   SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR
   EQUIVALENT

   4.3.4 ELECTRODEPOSITED TIN MATTE FINISH 2.5 - 4.0 MICROMETERS
   IN CRIMP AREA

GRIP SIZE GAGE	GRIP SIZE CODE	PART NUMBER	REEL PAYOFF DIRECTION	DIM A	DIM B	DIM S	DIM T	BASE MATERIAL	PLATING ID
22	A	33468-0002	D	2.3	2.3	7.15 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Sn Lead Free
		33468-0001	B						
		33467-0004	D	2.3	2.3	6.97-7.27	0.26 ± 0.07	COPPER ALLOY	Au Lead Free
		33467-0003	B						
		34736-1001	D	2.3	2.3	6.97-7.27	0.26 ± 0.07	COPPER ALLOY	Ag Lead Free
		34736-2001	B						
18/20	B	33468-0004	D	3.0	2.9	7.15 ± 0.10	0.26 ± 0.07	COPPER ALLOY	Sn Lead Free
		33468-0003	B						
		33467-0006	D	3.0	2.9	6.97-7.27	0.26 ± 0.07	COPPER ALLOY	Au Lead Free
		33467-0005	B						
		34736-1002	D	3.0	2.9	6.97-7.27	0.26 ± 0.07	COPPER ALLOY	Ag Lead Free
		34736-2002	B						

ENTER DESCRIPTION
EC NO: UAU2010-1880 2010/06/02
DRWN:XBTANG 2/3/2006
CH'KD:D. HEMNANI
APPR:BMOSER 2010/07/06
DESCRIPTION
G1
REV

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	L. PULLIAM	2/3/2006
CHECKED BY	D. HEMNANI	2/3/2006
APPROVED BY	B. MOSER	2/3/2006

TITLE
MX64
RECEPTACLE TERMINAL

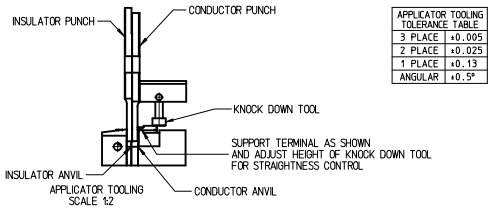
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33468-001
SHEET NO.: 1 OF 3

SIZE C

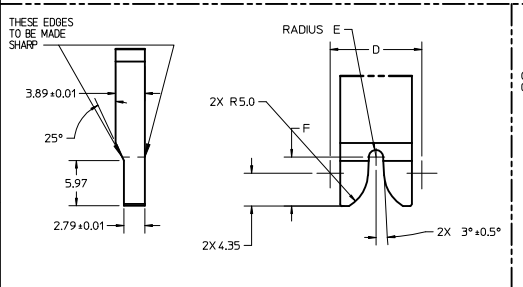
WIRE APPLICATION SEE NOTE 2	APPLICATOR TOOLING INFORMATION TABLE																		TERMINAL CRIMP INFORMATION TABLE				
SAE AWG	A	B +0.01 −0	C	D	E	F	G +0 −0.01	H	J +0 −0.01	K	L ±0.03	M	N ±0.03	P +0.01 −0 AT T	Q	S	T	U	PART NUMBER	CONDUCTOR CRIMP HEIGHT CCH TOL ±0.05mm	CONDUCTOR CRIMP WIDTH CCW TOL ±0.05mm	INSULATOR CRIMP HEIGHT ICH TOL ±0.1mm	INSULATOR CRIMP WIDTH ICW TOL ±0.1mm
	FOR TOLERANCE SEE APPLICATOR TOOLING TOLERANCE TABLE																						
18	0.470	1.798	7.05	12.12	0.94	6.5	1.79	1.83	1.89	0.98	0.98	0.19	2.10	1.798	0.34	2.10	0.98	0.05	33467-0005 33467-0006 33468-0003 33468-0004 34736-1002 34736-2002	1.15	1.80	2.10	1.95
20	0.470	1.798	7.05	12.12	0.94	6.5	1.79	1.83	1.89	0.98	0.98	0.19	2.10	1.798	0.34	2.10	0.98	0.05	33467-0005 33467-0006 33468-0003 33468-0004 34736-1002 34736-2002	1.10	1.80	1.95	1.95
22	0.35	1.452	7.4	12.14	0.88	6.3	1.44	2.29	1.70	1.02	1.02	0.12	1.97	1.452	0.30	1.26	0.68	0.13	33467-0003 33467-0004 33468-0001 33468-0002 34736-1001 34736-2001	0.95	1.45	1.60	1.80

APPLICATOR TOOLING INFORMATION

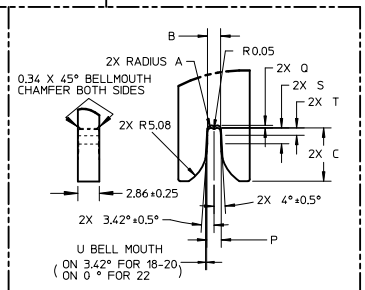


APPLICATOR TOOLING SCALE 1:2

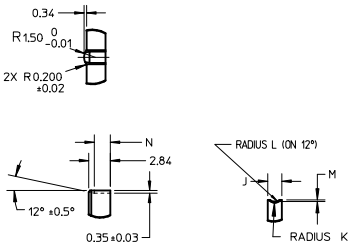
APPLICATOR TOOLING TOLERANCE TABLE	
3 PLACE	±0.005
2 PLACE	±0.025
1 PLACE	±0.13
ANGULAR	±0.5°



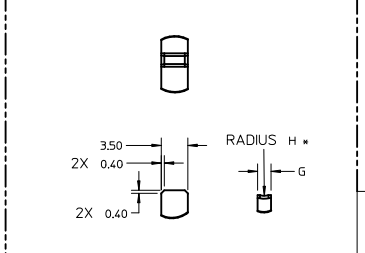
INSULATOR PUNCH
SCALE 2:1



CONDUCTOR PUNCH
SCALE 2:1



INSULATOR ANVIL
SCALE 2:1

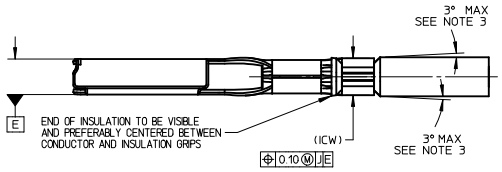


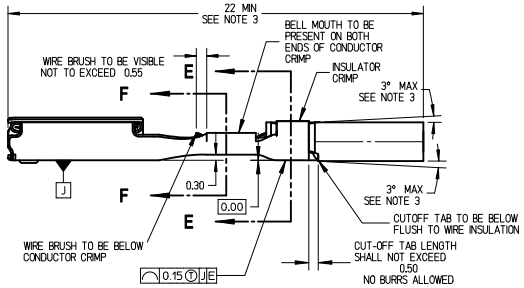
CONDUCTOR ANVIL
SCALE 2:1

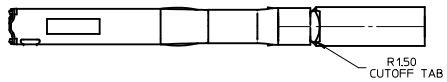
* E.D.M. FINISH REQUIRED ON WORKING SURFACE
NO EXTRA PROCESS REQUIRED
ROUGH TEXTURED SURFACE REQUIRED
SURFACE GRINDING OR POLISHING PROCESS WILL NOT BE ACCEPTED

SECTION F-F
CRIMP STYLE B

SECTION E-E
CRIMP STYLE 0

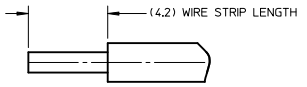






NOTES: (UNLESS OTHERWISE SPECIFIED, APPLIES TO CRIMPED LEAD ONLY)

1. TERMINAL:
   1.1. MATING (BLADE/PIN) SHALL CONFORM TO EWCAP-001 REV. B
   1.2. RECEPTACLE CRIMPED LEAD MUST BE USED WITH MATCHING PLATING TYPE ON MALE TERMINAL
2. WIRE SHALL MEET THE FOLLOWING SPECIFICATIONS:
   2.1. SAE: ESB-ML123-A
   WSS-ML135-A1
   SAE J1128 WITH OUTSIDE DIAMETER OF 1.47mm MINIMUM - 2.06mm MAXIMUM
3. WIRE CONDITION AFTER CRIMP:
   3.1. CRIMPED TERMINAL LEAD MUST BE ABLE TO PASS FREELY THROUGH THE CHECKING AID SHOWN ON SHEET 3
   3.2. WIRE SURFACE MUST BE FREE OR SCRATCHES, GROOVES OR DENTS
4. TOOLING:
   4.1. FOR HAND CRIMPED TOOLING REFER 63811-4200
   4.2. FOR APPLICATOR TOOLING REFER TO APPLICATOR TOOLING INFORMATION OR SUPPLIER APPLICATOR TOOLING TABLE



THIS SHEET APPLIES TO RECEPTACLE CRIMPED LEAD ONLY

SUPPLIER APPLICATOR TOOLING TABLE SEE NOTE 4.2

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

ENTER DESCRIPTION
EC NO: UAU2010-1880 2010/06/02
DRWN:XBTANG 2/3/2006
CH'KD:D. HEMNANI 2/3/2006
APPR:BMOSER 2010/07/06
DESCRIPTION
G1
REV

QUALITY SYMBOLS
F V =0
F E =0
F P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

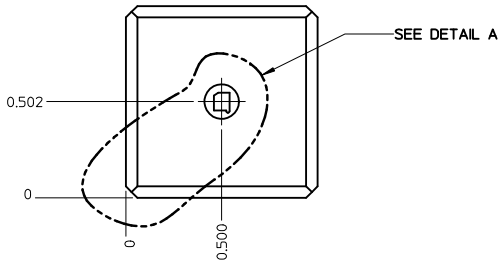
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

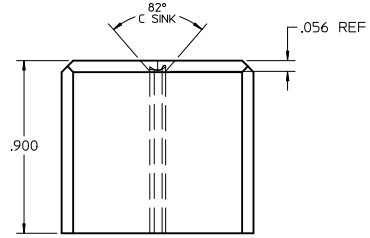
DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

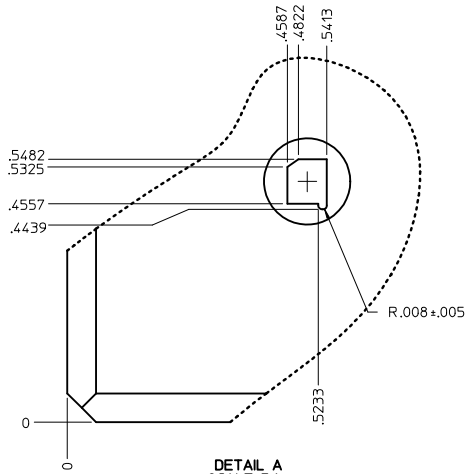
DRAWN BY: L. PULLIAM DATE: 2/3/2006
CHECKED BY: D. HEMNANI DATE: 2/3/2006
APPROVED BY: B. MOSER DATE: 2/3/2006
MATERIAL NO.: SEE TABLE

TITLE: MX64 RECEPTACLE TERMINAL
MOLEX INCORPORATED
DOCUMENT NO.: SD-33468-001
SHEET NO.: 2 OF 3
SIZE: C

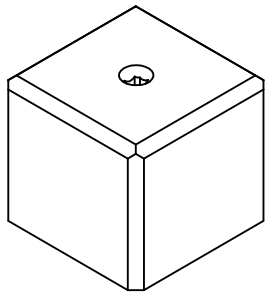
SUPPLIER CHECKING AID TOOLING	
PART NUMBER	DESCRIPTION
63867-3008	MX64 CRIMPED LEAD STRAIGHTNESS CHECKING AID FOR 18 AWG, 20 AWG AND 22 AWG







DETAIL A
SCALE 5:1



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: UAU2010-1880 2010/06/02
DRWN:XBTANG 2/3/2006
CHKD:D. HEMNANI 2010/07/06
APPR:BMOSER
DESCRIPTION
G1
REV

QUALITY SYMBOLS
E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	L. PULLIAM	DATE 2/3/2006
CHECKED BY	D. HEMNANI	DATE 2/3/2006
APPROVED BY	B. MOSER	DATE 2/3/2006

TITLE: MX64 RECEPTACLE TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-33468-001
SHEET NO.: 3 OF 3
SIZE: C