

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0330123022](#)  
**Status:** **Active**  
**Overview:** [mx150 sealed connector system](#)  
**Description:** MX150™ Female Terminal, Tin (Sn) Plating, 18-20 AWG, Left Reel Payoff, Large Polarization Rib, Contact Material Thickness 0.30mm (.012")

**Documents:**

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

**General**

Product Family	Crimp Terminals
Series	<a href="#">33012</a>
Comments	Left Reel Payoff, Large Polarization Rib
Crimp Quality Equipment	Yes
Overview	<a href="#">mx150 sealed connector system</a>
Product Name	MX150™

**Physical**

Gender	Female
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	2.60mm (.102") max.
Wire Size AWG	18, 20
Wire Size mm²	0.75, 1.00

**Electrical**

Current - Maximum per Contact	22A
Voltage - Maximum	250V

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-33012-002
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*image - Reference only*

**EU RoHS**

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

**China RoHS**



**Not Reviewed**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[33012Series](#)

**Use With**

[33472](#) Dual Row Housing, [33476](#) Hybrid Housing, [33471](#) Single Row Housing

**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.*

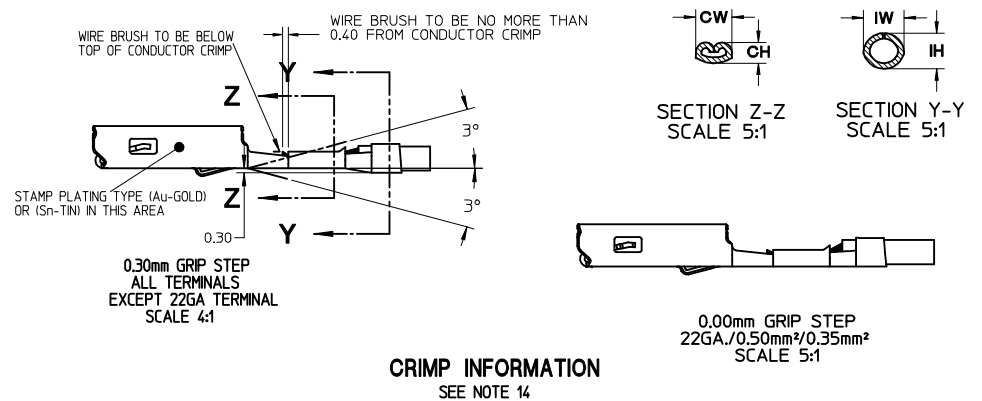
**Global**

Description	Product #
Manual Extraction Tool	<a href="#">0638131500</a>
FineAdjust™ Applicator	<a href="#">0639000800</a>
FineAdjust™ Applicator	<a href="#">0639000900</a>
Hand Crimp Tool, 18-22AWG	<a href="#">0638116000</a>

Hand Crimp Tool, 0638116100  
Metric 1.00 and 1.50  
Hand Crimp Tool, 0638116200  
Metric 0.05 and 0.75

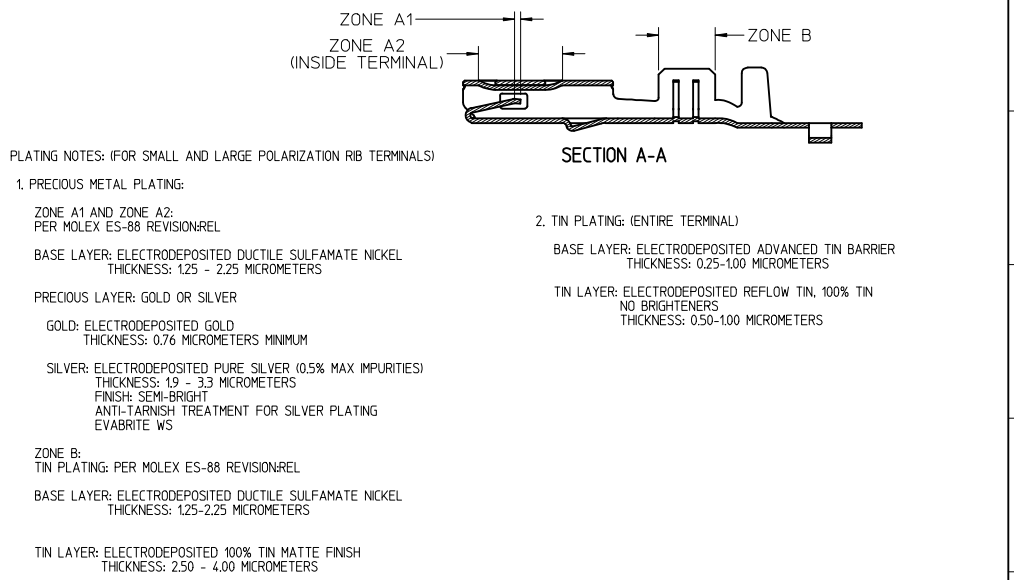
This document was generated on 05/19/2010

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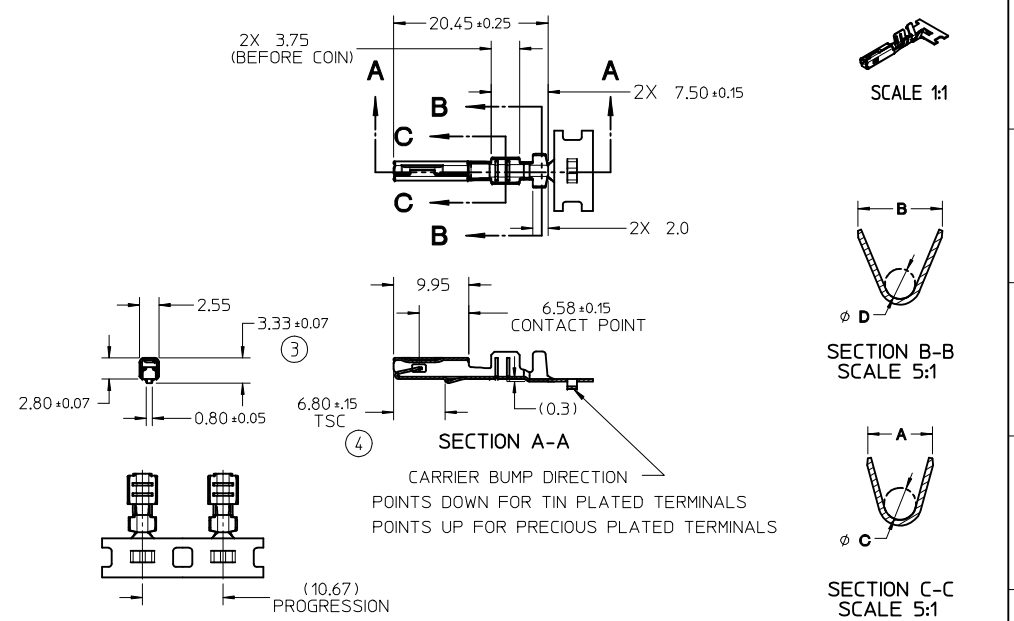
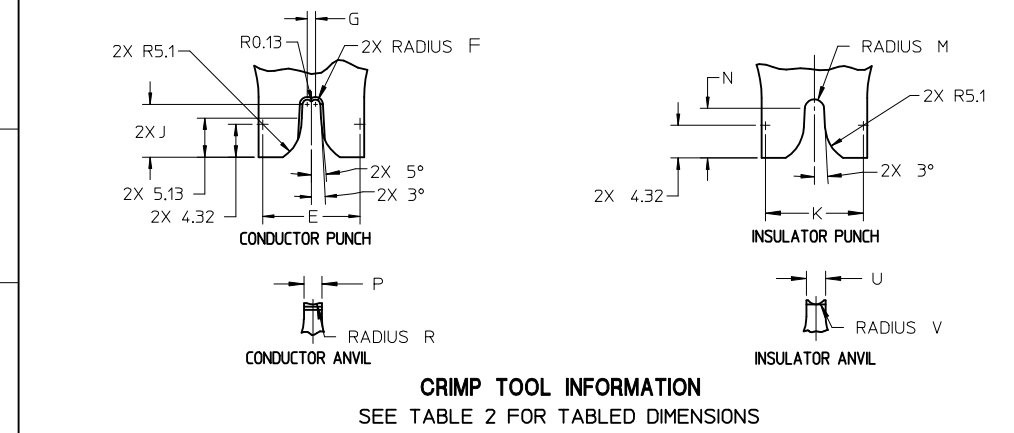


**CRIMP INFORMATION**  
SEE NOTE 14

**PLATING INFORMATION**



**DIMENSIONS FOR LARGE POLARIZATION RIB TERMINAL ONLY**



- NOTES: (UNLESS OTHERWISE SPECIFIED)
- MATING TERMINAL SHOWN ON SD-33000-001
  - MATERIAL: ASTM B422, UNS C19025, HR04  
THICKNESS: 0.30 mm ± 0.01  
TEMPER: FULL HARD (REF)  
TENSILE: 496 MIN MPA  
PLATING: SEE PLATING NOTES ABOVE
  - MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL ELECTRICAL CRIMPS PER SAE/USCAR-21 (8/2001)
  - MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3) (4/2001)
  - MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV.11 (5/2002)
  - MEETS FIELD CORRELATED LIFE TEST (FCLT) PER SAE/USCAR-20 (11/2001)
  - MEETS WIRING COMPONENT DESIGN GUIDELINES SAE/USCAR-12 REV 2 (12/2001)
  - TSC ON A DIMENSION TO BE INTERPRETED AS DISTANCE TO A THEORETICAL SHARP CORNER AS IF THE RADIUS WERE NOT PRESENT
  - DRAWING CONFORMS TO AVP-(T401/T406)-001 REVISION A DATED 2/16/99
  - REFERENCE 97B5-14474-AAB FOR LARGE POLARIZATION RIB CAVITY SPECIFICATION
  - INSERTION FORCE (TIN) AVG. FROM PV TESTING =  
3.8N LARGE POLARIZATION RIB  
3.5N SMALL POLARIZATION RIB (REFERENCE)
  - ALL DIMENSIONS EXCEPT ①, ②, ③ & ④ ARE COMMON TO BOTH SMALL AND LARGE POLARIZATION RIB TERMINALS
  - REFERENCE PK-31300-516 FOR REEL DIRECTION
  - REFERENCE CS-33012-002 FOR ADDITIONAL CRIMP INFORMATION

<b>ENTER DESCRIPTION</b> IEC NO: UAU2010-0107 DR: WINKERBERGSON CHKD: A. DHIR APPR: B. MOSER 2009/08/19 2009/08/20	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION															
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .10</td> <td>± .004</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.005</td> <td>± .0002</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.10</td> <td>± .004</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.3</td> <td>± .012</td> </tr> </table>		mm	INCH	4 PLACES	± .10	± .004	3 PLACES	± 0.005	± .0002	2 PLACES	± 0.10	± .004	1 PLACE	± 0.3	± .012	DRAWN BY L. PULLIAM DATE 2005/06/21	CHECKED BY A. DHIR DATE 2005/06/21	APPROVED BY B. MOSER DATE 2005/06/22	<b>MX150 RECEPTACLE TERMINAL</b>	
			mm	INCH																		
		4 PLACES	± .10	± .004																		
3 PLACES	± 0.005	± .0002																				
2 PLACES	± 0.10	± .004																				
1 PLACE	± 0.3	± .012																				
ANGULAR ± 3 °	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-33012-002	SHEET NO. 1 OF 5																			
<b>B1</b>	SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				

TABLE 1 - TERMINAL CRIMP DIM. REFERENCE 9

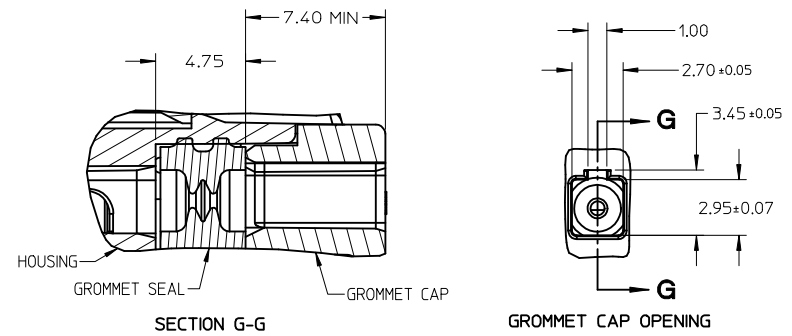
J	SMALL POLARIZATION RIB		PLATING	WIRE SIZE (awg)	WIRE SPECIFICATION	CONDUCTOR CH (SEC Z-Z) ±0.05 mm	CONDUCTOR CW (SEC Z-Z) ±0.10 mm	INSULATOR IH (SEC Y-Y) ±0.10 mm	INSULATOR IW (SEC Y-Y) ±0.10 mm	WIRE PULL FORCE (N)
	RIGHT PAYOFF	LEFT PAYOFF								
33012-2001	33012-3001	7C3T-14474-EA	TIN	14	MIL-123A	1.65	2.45	2.90	2.75	268
				16	MIL-135A1	1.65	2.45	2.70	2.60	268
33012-2002	33012-3002	7C3T-14474-DA	TIN	18	MIL-123A	1.25	2.15	2.00	2.30	157
				20	SAE J1128 (IGXL)	1.25	2.15	2.40	2.60	158
33012-2003	33012-3003	7C3T-14474-CA	TIN	22	MIL-123A	1.00	1.60	1.85	1.90	88
				2.00mm <sup>2</sup>	JASO D 611 (AVSSI)	1.60	2.45	2.90	2.75	231
33012-2001	33012-3001	7C3T-14474-EA	TIN	150mm <sup>2</sup>	MIL-126A1	1.40	2.45	2.60	2.60	257
				1.00mm <sup>2</sup>	MIL-126A1	1.30	2.15	2.00	2.30	211
33012-2002	33012-3002	7C3T-14474-DA	TIN	0.75mm <sup>2</sup>	MIL-126A1	1.25	2.15	1.95	2.10	142
				0.50mm <sup>2</sup>	MIL-126A1	1.10	1.60	1.80	1.90	111
33012-2003	33012-3003	7C3T-14474-CA	TIN	0.50mm <sup>2</sup>	JASO D 611 (AVSSI)	1.10	1.60	1.85	1.90	125
				0.35mm <sup>2</sup>	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
33001-2003	33001-3003	7C3T-14474-HA	GOLD	14	MIL-123A	1.65	2.45	2.90	2.75	268
				16	MIL-135A1	1.65	2.45	2.70	2.60	268
33001-2004	33001-3004	7C3T-14474-GA	GOLD	18	MIL-123A	1.35	2.45	2.40	2.60	222
				20	MIL-123A	1.25	2.15	2.00	2.30	157
33001-2005	33001-3005	7C3T-14474-FA	GOLD	22	SAE J1128 (IGXL)	1.25	2.15	2.40	2.60	158
				150mm <sup>2</sup>	MIL-123A	1.15	2.15	1.90	2.10	128
33001-2003	33001-3003	7C3T-14474-HA	GOLD	0.75mm <sup>2</sup>	MIL-123A	1.25	2.15	2.00	2.30	211
				1.00mm <sup>2</sup>	MIL-126A1	1.25	2.15	1.95	2.10	142
33001-2004	33001-3004	7C3T-14474-GA	GOLD	0.50mm <sup>2</sup>	MIL-126A1	1.30	2.15	2.00	2.30	211
				0.75mm <sup>2</sup>	MIL-126A1	1.25	2.15	1.95	2.10	142
33001-2005	33001-3005	7C3T-14474-FA	GOLD	0.50mm <sup>2</sup>	MIL-126A1	1.30	2.15	1.90	1.90	111
				0.75mm <sup>2</sup>	JASO D 611 (AVSSI)	1.10	1.60	1.85	1.90	125
33001-2005*	33001-3005*	7C3T-14474-FA*	GOLD	0.35mm <sup>2</sup>	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
				0.50mm <sup>2</sup>	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
33001-4001	33001-5001	7U5T-14474-UA	SILVER**	14	MIL-123A	1.65	2.45	2.90	2.75	268
				16	MIL-135A1	1.65	2.45	2.70	2.60	268
33001-4002	33001-5002	7U5T-14474-TA	SILVER**	18	MIL-123A	1.35	2.45	2.40	2.60	222
				20	MIL-123A	1.25	2.15	2.00	2.30	157
33001-4003	33001-5003	7U5T-14474-SA	SILVER**	22	SAE J1128 (IGXL)	1.25	2.15	2.40	2.60	158
				150mm <sup>2</sup>	MIL-123A	1.15	2.15	1.90	2.10	128
33001-4001	33001-5001	7U5T-14474-UA	SILVER**	2.00mm <sup>2</sup>	MIL-123A	1.25	2.15	2.00	2.30	211
				1.50mm <sup>2</sup>	JASO D 611 (AVSSI)	1.60	2.45	2.90	2.75	231
33001-4002	33001-5002	7U5T-14474-TA	SILVER**	1.00mm <sup>2</sup>	MIL-126A1	1.30	2.15	2.00	2.30	211
				0.75mm <sup>2</sup>	MIL-126A1	1.25	2.15	1.95	2.10	142
33001-4003	33001-5003	7U5T-14474-SA	SILVER**	0.50mm <sup>2</sup>	MIL-126A1	1.10	1.60	1.80	1.90	111
				0.35mm <sup>2</sup>	JASO D 611 (AVSSI)	1.10	1.60	1.85	1.90	125
33001-4003*	33001-5003*	7U5T-14474-SA*	SILVER**	0.75mm <sup>2</sup>	WSK-1A348-A2	0.95	1.60	1.70	1.90	50
				0.35mm <sup>2</sup>	WSK-1A348-A2	0.95	1.60	1.70	1.90	50

LARGE POLARIZATION RIB											
RIGHT PAYOFF	LEFT PAYOFF										
33001-4023	33001-5023	7U5T-14474-NA	SILVER**	0.50mm <sup>2</sup>	MIL-126A1	JASO D 611 (AVSSI)	1.10	1.60	1.80	1.90	111
33001-4023*	33001-5023*	7U5T-14474-NA*	SILVER**	0.35mm <sup>2</sup>	WSK-1A348-A2		0.95	1.60	1.70	1.90	50

<sup>1</sup>HFILON WIRE:  
CORE WIRE: STAINLESS STEEL, SUS #0.14, 7 STRANDS  
SURROUNDING WIRE: NICKEL (Ni) PLATED COPPER (Cu) #0.14, 30 STRANDS  
INSULATOR: PTFE

\* 0.35mm<sup>2</sup> WIRE MUST NOT BE USED IN MX150 SEALED CONNECTOR SYSTEMS

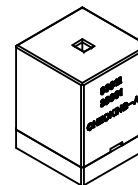
\*\* SILVER PLATED TERMINALS NOT TO BE USED IN CONNECTOR SYSTEMS WITH CIRCUIT COUNTS HIGHER THAN 8 DUE TO HIGHER CONNECTOR MATE/UNMATE FORCE



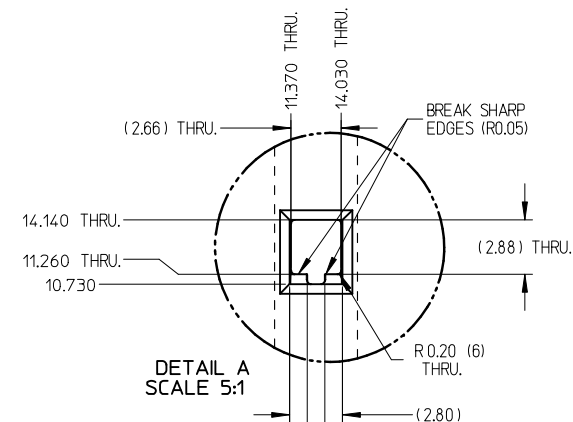
**GROMMET SEAL / CAP CONFIGURATION TO MODIFY LARGE POLARIZATION RIB CAVITY TO ACCEPT SMALL POLARIZATION RIB APPLICATIONS**

ENTER DESCRIPTION EC NO: UAU2010-0107 DRINKWATERGUSON 2009/08/18 CHKDA-DHIR 2009/08/19 APPR:BMOSER 2009/08/20	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± 0.005 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± ---	mm INCH ± --- ± --- ± 0.005 ± --- ± 0.10 ± --- ± 0.3 ± ---	DRAWN BY L. PULLIAM 2005/06/21	DATE 2005/06/21	TITLE	MX150 RECEPTACLE TERMINAL		
REV B1		APPROVED BY B. MOSER 2005/06/22		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-33012-002		SHEET NO. 2 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

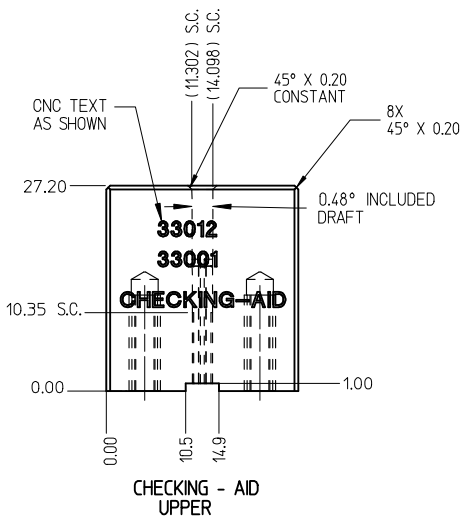
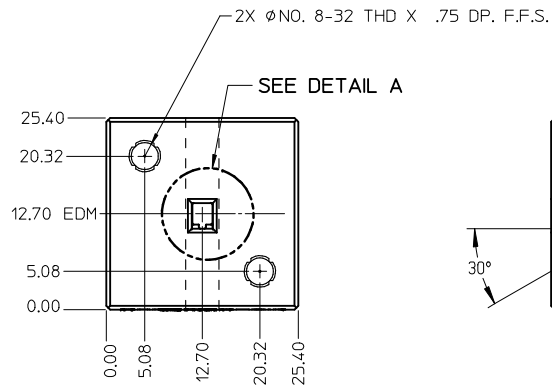
THIS CHECKING - AID IS FOR SMALL POLARIZATION RIB TERMINALS ONLY



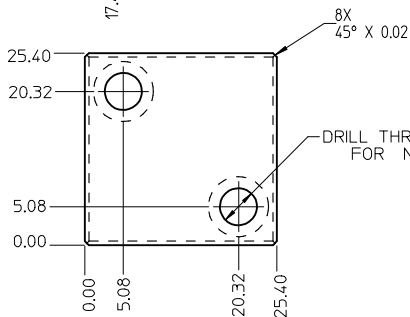
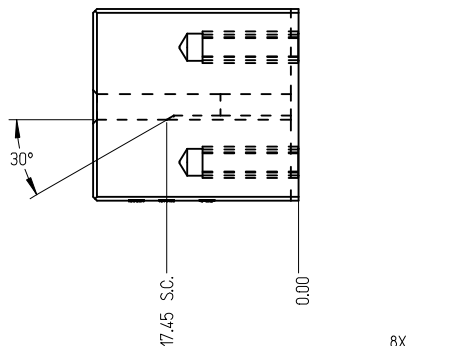
CHECKING - AID ASSEMBLY  
SCALE 1:1



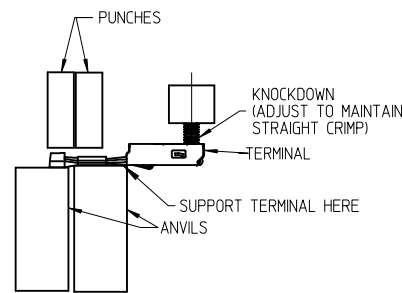
DETAIL A  
SCALE 5:1



CHECKING - AID  
UPPER



CHECKING - AID  
LOWER

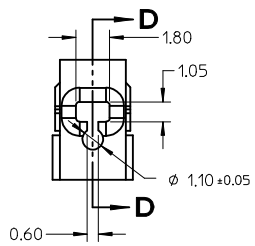
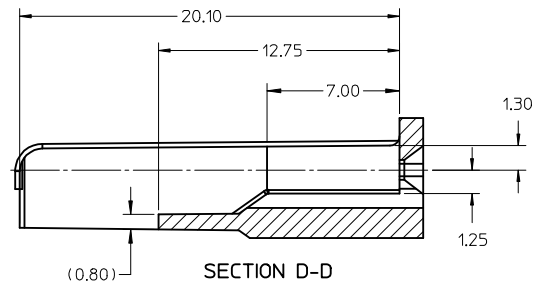
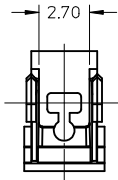


CRIMP REQUIREMENTS:

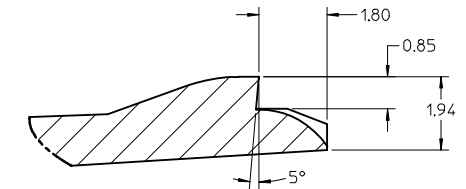
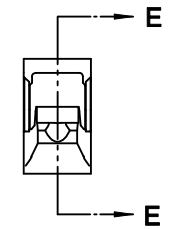
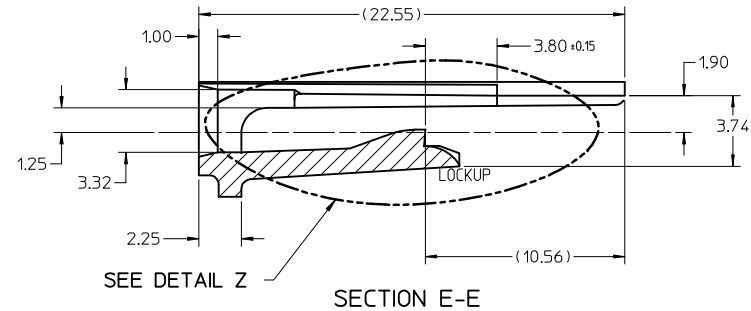
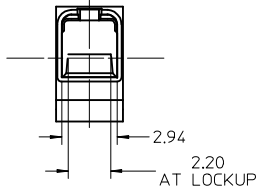
1. CRIMP STRAIGHTNESS MUST BE MAINTAINED  
USE A KNOCKDOWN TOOL LOCATED AS SHOWN  
TERMINAL BOX MUST NOT BE DEFORMED
2. AFTER CRIMPING, THE CRIMPED TERMINAL (AND UP TO 5 mm  
OF WIRE PAST THE INSULATOR CUTOFF TAB) MUST FIT FREELY  
INTO THE CHECKING-AID SHOWN ON THIS PAGE
3. FOR OTHER MECHANICAL REQUIREMENTS ON CRIMPED  
TERMINALS, REFER TO SAE/USCAR-21 (5-13-02)  
SECTIONS 4.2 (VISUAL INSPECTION), 4.2 (CROSS SECTION  
ANALYSIS) AND 4.4 (CONDUCTOR CRIMP PULLOUT FORCE)

UPPER & LOWER  
CHECKING-AID  
A2 TOOL STEEL  
HARDEN & GRIND  
ROCKWELL "C" 56-58

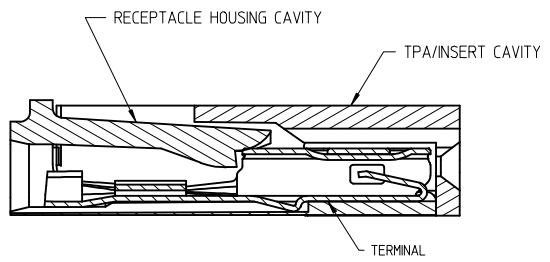
<b>ENTER DESCRIPTION</b> EC NO: UAU2010-0107 DRINK:FERGUSON 2009/08/18 CHKDA:DHIR 2009/08/19 APPR:BMOSER 2009/08/20	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> 2:1	<b>DESIGN UNITS</b> METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± mm 3 PLACES ± 0.005 2 PLACES ± 0.10 1 PLACE ± 0.3	INCH ± --- ± --- ± --- ± ---	DRAWN BY L. PULLIAM	DATE 2005/06/21	CHECKED BY A. DHIR	DATE 2005/06/21
MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-33012-002	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX MOLEX INCORPORATED	MX150 RECEPTACLE TERMINAL	SHEET NO. 3 OF 5	B1



- NOTES: UNLESS OTHERWISE SPECIFIED
1. TOLERANCES: LINEAR  $\pm 0.10$   
ANGULAR  $\pm 3^\circ$
  2. ALL DRAFT WITHIN TOLERANCE.
  3. MAX RADII ON ALL CORNERS SHOWN SHARP: 0.10
  4. MAX FLASH PERMISSIBLE: 0.1
  5. EJECTOR PIN MARKS PERMISSIBLE IF FLUSH TO 0.25 BELOW SURFACE.
  6. MATERIAL: HOUSING/FINGER SPECIFICATION ENGINEERED FOR MATERIAL WITH THE FOLLOWING PROPERTIES:  
A. FLEXURAL MODULUS = 4,500 TO 9,400 MPa  
PER ASTM TEST D790  
B. ELONGATION AT YIELD = 2.3% OR BETTER  
PER ASTM TEST D638 TYPE V
  7. CAVITY SPEC FOR USE ONLY WITH MOLEX RECEPTACLE TERMINAL PART NUMBERS SPECIFIED ELSEWHERE ON THIS DRAWING

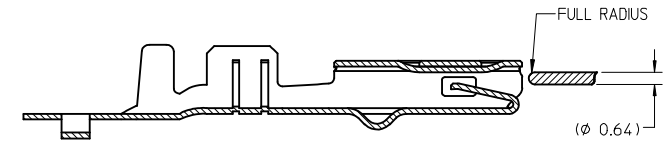
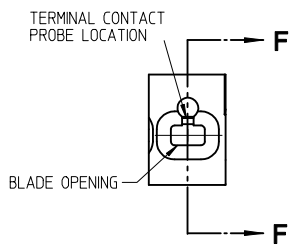


DETAIL Z  
SCALE 20:1

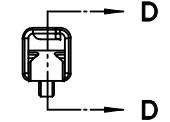


SECTION F-F

RECEPTACLE CAVITY ASSEMBLED VIEWS  
FOR SMALL POLARIZATION RIB APPLICATIONS  
FIG. 1



SECTION D-D  
FOR LARGE POLARIZATION RIB APPLICATIONS  
FIG. 2



PROBING DOWN THE THROAT MUST USE THIS TERMINAL PROBE

PROBE PIN DETAILS:  
MANUFACTURER: LONE STAR INDUSTRIAL  
PART NUMBER: LS054R-403-N-4.6  
PIN DIAMETER: 0.025 IN (0.64mm)  
TIP SHAPE: SPHERICAL  
TEL: 915-779-7255

PREFERRED PROBING LOCATION IS NOT ON SPRING MEMBER

IF ELECTRICAL CONTINUITY PROBE TOUCHES SPRING MEMBER USE PROBING AS SHOWN IN FIG. 2

REV	DESCRIPTION	DATE	BY
B1	ENTER DESCRIPTION	2009/08/18	DRWIN:KEERGUSON
	EC NO: UAU2010-0107	2009/08/19	CHKD:A.DHIR
	APPR:BMOSER	2009/08/20	

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± 0.005	± ---
2 PLACES ± 0.10	± ---
1 PLACE ± 0.3	± ---
ANGULAR ± 3 °	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
L. PULLIAM	2005/06/21
CHECKED BY	DATE
A. DHIR	2005/06/21
APPROVED BY	DATE
B. MOSER	2005/06/22
MATERIAL NO.	
SEE TABLE	
SIZE	
C	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	☉
MX150 RECEPTACLE TERMINAL		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-33012-002	4 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIM. REFERENCE TABLE

J	SUPPLIER PART NO.	FORD PART NO.	PLATING (STAMPING)	WIRE APPLICATION		WIRE SPECIFICATION																		
				SAE	METRIC	A±0.30	B±0.30	C±0.30	D±0.30	E±0.005	F±0.005	G±0.005	J±0.005	K±0.005	M±0.005	N±0.005	P±0.005	R±0.005	U±0.005	V±0.005				
SMALL POLARIZATION RIB																								
RIGHT PAYOFF		LEFT PAYOFF																						
33012-2001	33012-3001	7C3T-1474-EA	TIN	14	2.0	MIL-123A JASO D 611 (AVSS)	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40			
				14	-	MIL-135A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
33012-2002	33012-3002	7C3T-1474-DA	TIN	16	1.5	MIL-123A/MIL-126A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				18	1.0	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
				18	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30			
				20	0.75	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05			
33012-2003	33012-3003	7C3T-1474-CA	TIN	22	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
				20	0.5	MIL-123A/MIL-126A1 JASO D 611 (AVSS)	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
33012-2003*	33012-3003*	7C3T-1474-CA*	TIN	-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
				14	2.0	MIL-123A JASO D 611 (AVSS)	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40			
33001-2003	33001-3003	7C3T-1474-HA	GOLD	14	-	MIL-135A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				16	1.5	MIL-123A/MIL-126A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				18	1.0	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
				18	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30			
33001-2004	33001-3004	7C3T-1474-GA	GOLD	20	0.75	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05			
				20	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
33001-2005	33001-3005	7C3T-1474-FA	GOLD	22	0.5	MIL-123A/MIL-126A1 JASO D 611 (AVSS)	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
				-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
33001-4001	33001-5001	7U5T-1474-UA	SILVER	14	2.0	MIL-123A JASO D 611 (AVSS)	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40			
				14	-	MIL-135A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				16	1.5	MIL-123A/MIL-126A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				18	1.0	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
33001-4002	33001-5002	7U5T-1474-TA	SILVER	18	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30			
				20	0.75	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05			
33001-4003	33001-5003	7U5T-1474-SA	SILVER	22	0.5	MIL-123A/MIL-126A1 JASO D 611 (AVSS)	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
				-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
LARGE POLARIZATION RIB																								
33012-2021	33012-3021	7C3T-1474-LA	TIN	14	2.0	MIL-123A JASO D 611 (AVSS)	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40			
				14	-	MIL-135A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				16	1.5	MIL-123A/MIL-126A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				18	1.0	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
33012-2022	33012-3022	7C3T-1474-KA	TIN	18	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30			
				20	0.75	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05			
33012-2023	33012-3023	7C3T-1474-JA	TIN	22	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
				20	0.5	MIL-123A/MIL-126A1 JASO D 611 (AVSS)	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
33012-2023*	33012-3023*	7C3T-1474-JA*	TIN	-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
				14	2.0	MIL-123A JASO D 611 (AVSS)	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40			
33001-2021	33001-3021	7C3T-1474-PA	GOLD	14	-	MIL-135A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				16	1.5	MIL-123A/MIL-126A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				18	1.0	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
				18	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30			
33001-2022	33001-3022	7C3T-1474-NA	GOLD	20	0.75	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05			
				20	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
33001-2023	33001-3023	7C3T-1474-MA	GOLD	22	0.5	MIL-123A/MIL-126A1 JASO D 611 (AVSS)	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
				-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
33001-4021	33001-5021	7U5T-1474-RA	SILVER	14	2.0	MIL-123A JASO D 611 (AVSS)	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	13.12	1.35	6.91	2.44	6.11	2.72	1.40			
				14	-	MIL-135A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				16	1.5	MIL-123A/MIL-126A1	3.9	4.4	1.7	1.6	12.82	0.6	1.19	7.05	12.96	1.28	6.51	2.44	6.11	2.52	1.30			
				18	1.0	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.65	1.13	6.46	2.14	1.93	2.23	1.15			
33001-4022	33001-5022	7U5T-1474-PA	SILVER	18	-	SAE J1128 (IGXL)	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.96	1.28	6.51	2.14	1.93	2.52	1.30			
				20	0.75	MIL-123A/MIL-126A1	3.3	3.1	1.3	1.4	12.46	0.57	0.99	6.52	12.42	1.03	6.36	2.14	1.93	2.04	1.05			
33001-4023	33001-5023	7U5T-1474-NA	SILVER	22	0.5	MIL-123A/MIL-126A1 JASO D 611 (AVSS)	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			
				-	0.35	WSK-1A348-A2	2.5	2.6	0.9	1.0	11.97	0.42	0.72	6.57	12.24	0.93	6.31	1.60	1.44	1.84	0.95			

\* 0.35mm² WIRE MUST NOT BE USED IN MX150 SEALED CONNECTOR SYSTEMS

ENTER DESCRIPTION EC NO: UAU2010-0107 DRANKFERGUSON 2009/08/18 CHKD-A: DHR 2009/08/19 APPR: BMOSE 2009/08/20 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.005 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- ANGULAR ± 3°	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION MX150 RECEPTACLE TERMINAL MOLEX INCORPORATED SD-33012-002 SHEET NO. 5 OF 5
			MM ONLY	1:1	METRIC	
			DRAWN BY DATE	TITLE		
			CHECKED BY DATE			
	APPROVED BY DATE					
	MATERIAL NO.					