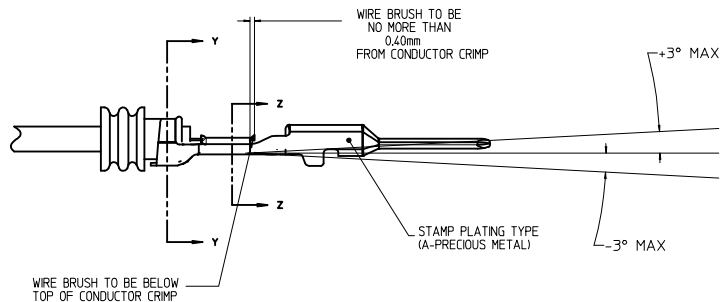




CRIMP INFORMATION SEE TABLE 1 SHEET 2



NOTES: (UNLESS OTHERWISE SPECIFIED)

- MATING TERMINAL SHOWN ON SD-34083-002
- MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ± 0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA
- MEETS PERFORMANCE SPECIFICATION FOR CABLE TO TERMINAL ELECTRICAL CRIMPS PER SAE/USCAR-21 (2/2004)
- MEETS PERFORMANCE STANDARD FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS FOR SAE/USCAR-2, REV. 4 (TEMP CLASS 3) (5/2004)
- MEETS ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV.14 (01/2007)
- MEETS FIELD CORRELATED LIFE TEST (FCLT) PER SAE/USCAR-20 (6/2004)
- REFERENCE FORD CAVITY SPECIFICATION 97BG-14421-ADA,REV. E
- INSERTION FORCE WITH CORRESPONDING FEMALE TERMINAL: AVG. FORCE 3.1 N (REFERENCE)
TBD GOLD & SILVER (REFERENCE)
- REFERENCE CRIMP SPECIFICATION (CS-34080-001) FOR ADDITIONAL INFORMATION.
- REFERENCE PK-31300-516 FOR REEL DIRECTION

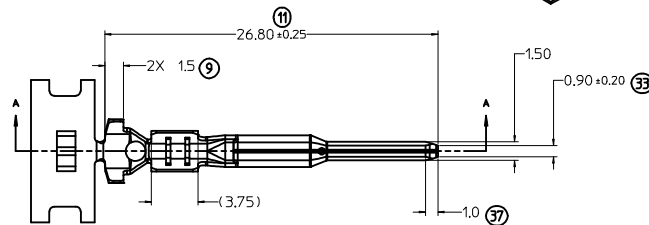
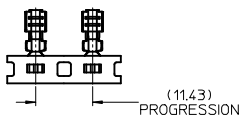
PLATING NOTES:

1. PRECIOUS METAL PLATED TERMINAL:

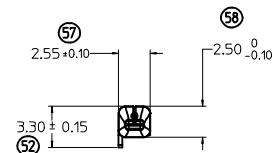
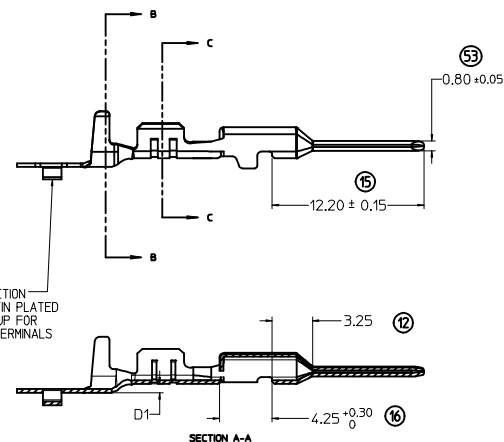
- GOLD PLATING
 - UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL THICKNESS 1.25 - 2.25 MICROMETERS
 - CONTACT ZONE A2: ELECTRODEPOSITED GOLD THICKNESS 0.76 MICROMETER MINIMUM
 - ZONE A1: REDUCED GOLD THICKNESS FROM ZONE A2 IS PERMITTED ZONE A1 SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - ZONE B: REDUCED GOLD THICKNESS FROM ZONE A2 AND REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE B SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
 - ZONE C: TIN PLATING: ELECTRODEPOSITED TIN (100% TIN), MATTE FINISH THICKNESS 2.50 - 4.00 MICROMETERS
 - ZONE D: REDUCED TIN THICKNESS FROM ZONE C IS PERMITTED ZONE D SHALL BE COMPLETELY COVERED WITH NICKEL TO PREVENT EXPOSED BASE METAL
- SILVER PLATING
 - UNDERPLATE: OVERALL ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL 1.25 - 2.25 MICROMETERS THICK
 - ZONE A2: ELECTRODEPOSITED PURE SILVER (0.5 PERCENT MAX IMPURITIES) SEMI-BRIGHT FINISH 19 - 3.3 MICROMETERS THICK OVER NICKEL
 - ANTI-TARNISH TREATMENT TO SILVER ZONES: EVABRITE S
 - ZONE A1: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 IS PERMITTED OVER NICKEL
 - ZONE B: REDUCED SILVER PLATING THICKNESS FROM ZONE A2 AND REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL
 - ZONE C: ELECTRODEPOSITED TIN (100% TIN) MATTE FINISH 2.5 - 4.00 MICROMETERS THICK OVER NICKEL
 - ZONE D: REDUCED TIN PLATING THICKNESS FROM ZONE C IS PERMITTED OVER NICKEL

2. TIN PLATING

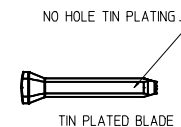
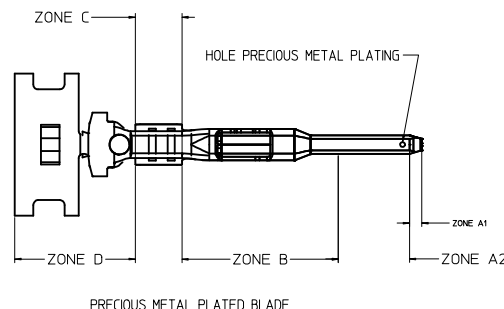
- UNDERPLATE: ADVANCED BARRIER LAYER
THICKNESS 0.25 - 1.00 MICROMETERS
- TIN LAYER: ELECTRODEPOSITED REFLOW TIN (100% TIN)
THICKNESS 0.50 - 1.00 MICROMETERS



CARRIER BUMP DIRECTION POINTS DOWN FOR TIN PLATED TERMINALS POINTS UP FOR PRECIOUS PLATED TERMINALS



SEE TABLE 2 ON SHEET 3 FOR CHARTED DIM.



FORD PART NO.				REFERENCE			
AUST-14421-AA				PART MUST COMPLY WITH MATERIAL SPECIFICATION MSB-880P1989-41 TO HELP PROTECT HEALTH, SAFETY AND THE ENVIRONMENT			
AUST-14421-BA				DRAFTED IN ACCORDANCE WITH F40 ENGINEERING DRAFTING STANDARD			
AUST-14421-CA				CURRENT AT INITIAL RELEASE			
AUST-14421-AA				CAD TYPE	CAD LOC	CAD FILE	IS MASTER
AUST-14421-BA				OPER. NO.	UNIT	DRAWING	AUST-14421-AA
AUST-14421-CA				DESIGN	DETAIL	TITLE	
AUST-14421-DA				CHECKED	SAFETY	TERMINAL WIRE	
AUST-14421-EA				SCALE	DATE	DIVISION	
AUST-14421-FA				71	2009/07/04	PLANT	

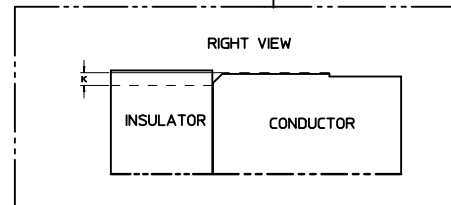
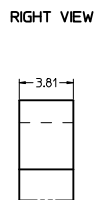
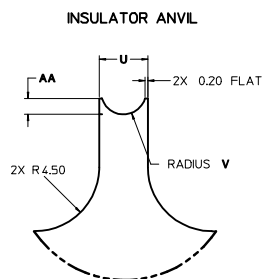
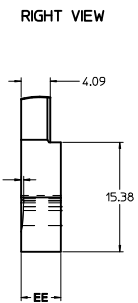
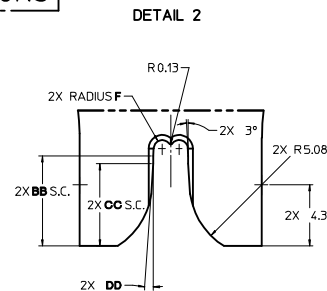
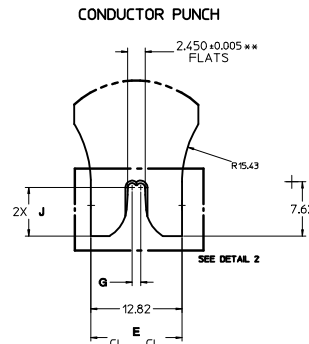
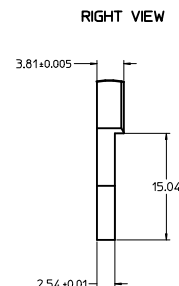
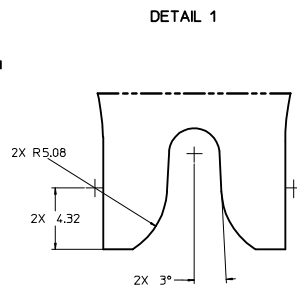
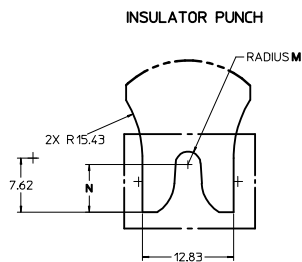
TRSL		REVISIONS		
ORIGINATOR	CHECKER	ENGR	APPROVAL	APPR
RELEASED				
A	AELE-E11776560-199 DATE: 20080708			
KFERGUSON	ADHIR	GLEECE		
B1	ADD GOLD AND SILVER PART NUMBERS TO TABLES 1 AND 2 RELEASED: BUST-14421-AA BUST-14421-BA BUST-14421-CA BUST-14421-DA BUST-14421-EA BUST-14421-FA			
B2	MOVE CRIMP TOOL INFORMATION AND TABLE 2 ON SHEET 3			
B3	ADD GOLD AND SILVER PLATING NOTES AELE-E-11776560-276 DATE: 20090610			
KFERGUSON	ADHIR	GLEECE		

TABLE 1 - TERMINAL CRIMP DIMENSION REFERENCE TABLE

FORD PART NO.	SUPPLIER PART NO.		PLATING	WIRE SIZE (AWG)	SPECIFICATION WIRE	CONDUCTOR CCH(SEC Z-Z) ±0.05	CONDUCTOR CCW(SEC Z-Z) ±0.10	INSULATOR ICH(SEC Y-Y) ±0.10	INSULATOR ICW(SEC Y-Y) ±0.10	FORD CABLE SEAL PART NO.
	RIGHT PAYOFF	LEFT PAYOFF								
AU5T-14421-CA	34080-0001	34080-1001	TIN	14	M1L-123A	1.65	2.45	3.95	3.65	XW4T-14603-MA
					M1L-135A1	1.65	2.45	3.80	3.65	XW4T-14603-FA
				16	M1L-123A	1.35	2.45	3.80	3.65	XW4T-14603-FA
AU5T-14421-BA	34080-0002	34080-1002	TIN	18	M1L-123A	1.25	2.15	3.70	3.55	XW4T-14603-AA
				20	M1L-123A	1.15	2.15	3.60	3.55	XW4T-14603-AA
AU5T-14421-AA	34080-0003	34080-1003	TIN	22	M1L-123A	1.00	1.60	3.50	3.45	97BG-10C930-SBA
AU5T-14421-CA	34080-0001	34080-1001	TIN	2.00mm ²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
AU5T-14421-CA	34080-0001	34080-1001	TIN	1.50mm ²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
AU5T-14421-BA	34080-0002	34080-1002	TIN	1.00mm ²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm ²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
AU5T-14421-AA	34080-0003	34080-1003	TIN	0.50mm ²	M1L-126A1	1.10	1.60	3.50	3.45	97BG-10C930-SBA
					JASO D 611(AVSS)	1.10	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	14	M1L-123A	1.65	2.45	3.95	3.65	XW4T-14603-MA
					M1L-135A1	1.65	2.45	3.80	3.65	XW4T-14603-FA
				16	M1L-123A	1.35	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-EA	34080-0104	34080-1104	GOLD	18	M1L-123A	1.25	2.15	3.70	3.55	XW4T-14603-AA
				20	M1L-123A	1.15	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-FA	34080-0106	34080-1106	GOLD	22	M1L-123A	1.00	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	2.00mm ²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
BU5T-14421-DA	34080-0102	34080-1102	GOLD	1.50mm ²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-EA	34080-0104	34080-1104	GOLD	1.00mm ²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm ²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-FA	34080-0106	34080-1106	GOLD	0.50mm ²	M1L-126A1	1.10	1.60	3.50	3.45	97BG-10C930-SBA
					JASO D 611(AVSS)	1.10	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	14	M1L-123A	1.65	2.45	3.95	3.65	XW4T-14603-MA
					M1L-135A1	1.65	2.45	3.80	3.65	XW4T-14603-FA
				16	M1L-123A	1.35	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-BA	34080-0204	34080-1204	SILVER	18	M1L-123A	1.25	2.15	3.70	3.55	XW4T-14603-AA
				20	M1L-123A	1.15	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-CA	34080-0206	34080-1206	SILVER	22	M1L-123A	1.00	1.60	3.50	3.45	97BG-10C930-SBA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	2.00mm ²	JASO D 611(AVSS)	1.60	2.45	3.95	3.65	XW4T-14603-MA
BU5T-14421-AA	34080-0202	34080-1202	SILVER	1.50mm ²	M1L-126A1	1.40	2.45	3.80	3.65	XW4T-14603-FA
BU5T-14421-BA	34080-0204	34080-1204	SILVER	1.00mm ²	M1L-126A1	1.30	2.15	3.70	3.55	XW4T-14603-AA
				0.75mm ²	M1L-126A1	1.25	2.15	3.60	3.55	XW4T-14603-AA
BU5T-14421-CA	34080-0206	34080-1206	SILVER	0.50mm ²	M1L-126A1	1.10	1.60	3.50	3.45	97BG-10C930-SBA
					JASO D 611(AVSS)	1.10	1.60	3.50	3.45	97BG-10C930-SBA

REFERENCE		---	
PART MUST COMPLY WITH MATERIAL SPECIFICATION MSG-180P0009-41			
TO HELP PROTECT HEALTH, SAFETY AND THE ENVIRONMENT			
DRAFTED IN ACCORDANCE WITH FAD		3RD ANGLE PROJ	
ENGINEERING DRAFTING STANDARD		DIMENSIONS IN	
CURRENT AT INITIAL RELEASE		MILLIMETERS	
CAD TYPE	CAD LDC	CAD FILE	IS MASTER
OPER. NO.	UNIT	DRAWING	AU5T-14421-AA
DESIGN	DETAIL	TITLE	TERMINAL WIRE
CHECKED	SAFETY	SNAP ON MALE	ENT 2
SCALE	DATE	DIVISION	DF 3
11	2009/07/09	PLANT	

CRIMP TOOL INFORMATION SEE TABLE 2 FOR TABLED DIMENSIONS



** 14-16 AWG. 15mm²
& 2.0mm² ONLY

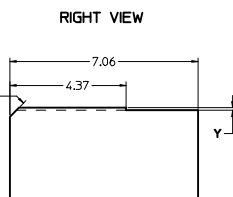
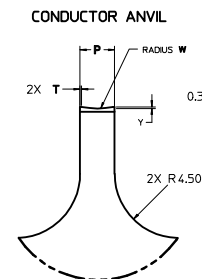


TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIMENSION REFERENCE TABLE

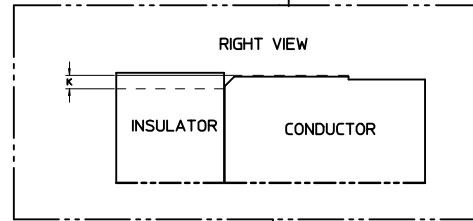
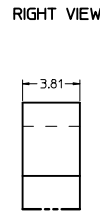
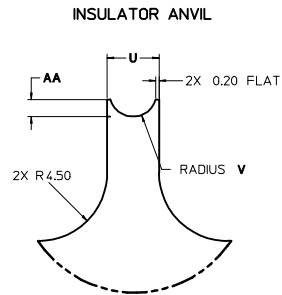
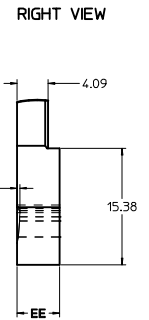
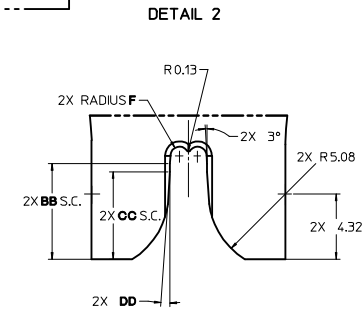
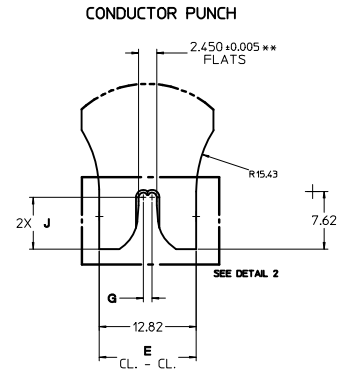
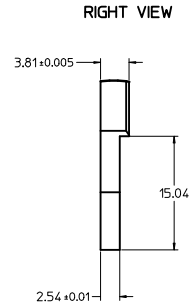
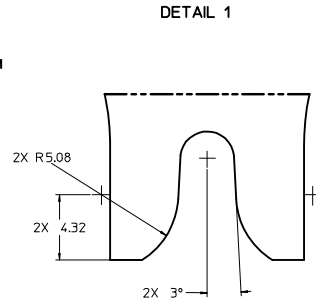
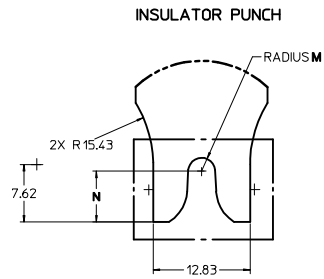
SUPPLIER PART NUMBER		FORD PART NO.	PLATING (STAMPING)	WIRE APPLICATION		A	B	C	D	D1	E	F	G	J	K	M	N	P	T	U	V	W	Y	AA	BB	CC	DD	EE
RIGHT PAYOFF	LEFT PAYOFF			SAE (AWG)	METRIC (mm ²)	±0.3	±0.20	±0.3	±0.15	±0.10	±0.01	±0.005	±0.005	±0.05	±0.01	±0.005	±0.10	±0.005	±0.03	±0.005	±0.005	±0.10	±0.01	±0.10	±0.01	±0.01	±0.01	±0.10
34080-0001	34080-1001	AU5T-14421-CA	TIN	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
				16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0002	34080-1002	AU5T-14421-BA	TIN	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
				20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0003	34080-1003	AU5T-14421-AA	TIN	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
34080-0102	34080-1102	BU5T-14421-DA	GOLD	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
				16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0104	34080-1104	BU5T-14421-EA	GOLD	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
				20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0106	34080-1106	BU5T-14421-FA	GOLD	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
34080-0202	34080-1202	BU5T-14421-AA	SILVER	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
				16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0204	34080-1204	BU5T-14421-BA	SILVER	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
				20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0206	34080-1206	BU5T-14421-CA	SILVER	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81

REFERENCE			
PART MUST COMPLY WITH MATERIAL SPECIFICATION HHS-HBSP008-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.			
DRAFTED IN ACCORDANCE WITH FAD ENGINEERING DRAFTING STANDARD			
CURRENT AT INITIAL RELEASE			
CAD TYPE	CAD LOC.	CAD FILE	IS MASTER
OPER. NO.	UNIT	DRAWING	AU5T-14421-AA
DESIGN REVISION	DETAIL	TITLE	TERMINAL WIRE SNAP ON MALE
CHECKED	SAFETY		
INSPECTOR			
SCALE	DATE	DIVISION	PLANT
1:1	2009/07/09		

B2



CRIMP TOOL INFORMATION
SEE TABLE 2 FOR TABLED DIMENSIONS



** 14-16 AWG. 1.5mm²
& 2.0mm² ONLY

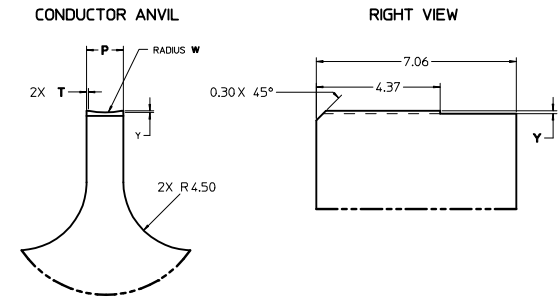


TABLE 2 - TERMINAL GRIP/CRIMP TOOL DIMENSION REFERENCE TABLE

SUPPLIER PART NUMBER		PLATING (STAMPING)	WIRE APPLICATION		A	B	C	D	D1	E	F	G	J	K	M	N	P	T	U	V	W	Y	AA	BB	CC	DD	EE
RIGHT PAYOFF	LEFT PAYOFF		SAE (AWG)	METRIC (mm ²)	±0.3	±0.20	±0.3	±0.15	±0.10	±0.01	±0.005	±0.005	±0.05	±0.01	±0.005	±0.10	±0.005	±0.03	±0.005	±0.005	±0.10	±0.01	±0.10	±0.01	±0.01	±0.01	±0.10
34080-0001	34080-1001	TIN	14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
			16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0002	34080-1002	TIN	18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
			20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0003	34080-1003	TIN	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
			14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0102	34080-1102	GOLD	16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
			18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0104	34080-1104	GOLD	20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
			22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
34080-0106	34080-1106	GOLD	22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81
			14	2.0	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
34080-0202	34080-1202	SILVER	16	1.5	3.6	5.00	1.7	2.90	0.90	12.82	0.600	1.194	6.86	0.90	1.778	6.73	2.438	0.12	3.429	1.575	6.11	0.10	1.13	6.34	5.79	4°	5.59
			18	1.0	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
34080-0204	34080-1204	SILVER	20	0.75	3.3	5.00	1.3	2.90	0.70	12.57	0.556	0.963	7.34	0.70	1.753	6.73	2.085	0.33	3.378	1.699	1.94	0.14	0.88	-	-	-	3.81
			22	0.5	2.5	4.85	0.9	2.90	0.55	11.92	0.414	0.714	6.27	0.55	1.737	7.06	1.576	0.26	3.327	1.524	2.00	0.07	1.08	-	-	-	3.81

ENTER DESCRIPTION REV B1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		mm	INCH	MM ONLY	DATE	1:1	METRIC			
		4 PLACES ±	±		2008/06/09					
		3 PLACES ±	±		2008/06/09					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY		DATE		DOCUMENT NO.		SHEET NO.		
		B. MOSER		2008/09/06		SD-34080-001		3 OF 3		
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