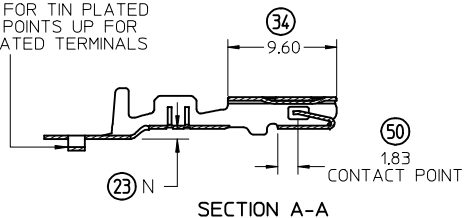
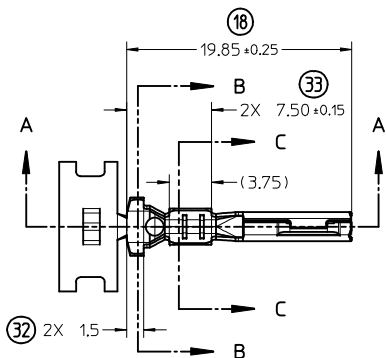


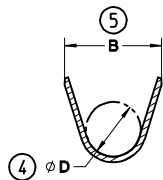
CARRIER BUMP DIRECTION
POINTS DOWN FOR TIN PLATED
TERMINALS. POINTS UP FOR
PRECIOUS PLATED TERMINALS



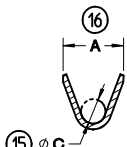
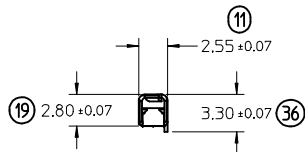
SECTION A-A



STAMP PLATING TYPE (Au-GOLD,
Sn-TIN) OR (Ag-SILVER) IN THIS AREA



SECTION B-B
Scale 5:1



SECTION C-C
Scale 5:1

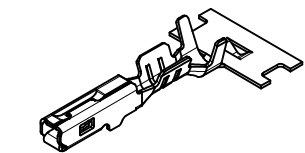
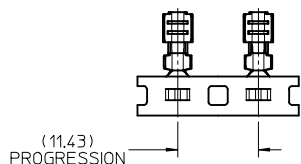


TABLE 1 - TERMINAL PART NUMBER AND DIMENSION REFERENCE

FAMILY	GENDER	SEALING	PLATING	PART NUMBER	PAYOFF DIRECTION	GRIP CODE	WIRE SIZES*	A ±0.3	B ±0.20	C ±0.3	D ±0.15	N ±0.10	SPECIAL CHARACTERISTICS
MX150	RECEPTACLE	WIRE SEAL	Sn	34083-2003	RIGHT (B)	22	22AWG 0.35-0.50mm ²	2.5	4.85	0.9	2.90	0.55	HIGH PERFORMANCE Sn
				34083-3003	LEFT (D)								
				34083-2002	RIGHT (B)	18	20/18AWG 0.75-1.00mm ²	3.3	5.00	1.3	2.90	0.70	
				34083-3002	LEFT (D)								
			Au	34083-2001	RIGHT (B)	14	16/14AWG 1.50-2.00mm ²	3.6	5.00	1.7	2.90	0.90	HIGH PERFORMANCE Au
				34083-3001	LEFT (D)								
				34081-2005	RIGHT (B)	22	22AWG 0.35-0.50mm ²	2.5	4.85	0.9	2.90	0.55	
				34081-3005	LEFT (D)								
				34081-2004	RIGHT (B)	18	20/18AWG 0.75-1.00mm ²	3.3	5.00	1.3	2.90	0.70	
				34081-3004	LEFT (D)								
			Ag	34081-2003	RIGHT (B)	14	16/14AWG 1.50-2.00mm ²	3.6	5.00	1.7	2.90	0.90	HIGH PERFORMANCE Ag
				34081-3003	LEFT (D)								
				34081-4003	RIGHT (B)	22	22AWG 0.35-0.50mm ²	2.5	4.85	0.9	2.90	0.55	
				34081-5003	LEFT (D)								
				34081-4002	RIGHT (B)	18	20/18AWG 0.75-1.00mm ²	3.3	5.00	1.3	2.90	0.70	
				34081-5002	LEFT (D)								
				34081-4001	RIGHT (B)	14	16/14AWG 1.50-2.00mm ²	3.6	5.00	1.7	2.90	0.90	
				34081-5001	LEFT (D)								

* SEE AS-34083-002 FOR SPECIFIC WIRE TYPES

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATING TERMINAL SHOWN ON DRAWING SD-34080-001

2. MATERIAL: ASTM B422, UNS C19025, HR04
THICKNESS: 0.30 mm ±0.01
TEMPER: FULL HARD (REF)
TENSILE: 496 MIN MPA

3. TIN PLATED TERMINAL FINISH
OVERALL UNDERPLATE ELECTRODEPOSITED NICKEL
OVERALL ELECTRODEPOSITED REFLOW TIN

4. GOLD PLATED TERMINAL FINISH
OVERALL UNDERPLATE ELECTRODEPOSITED
DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED GOLD
GRIP AREA - ELECTRODEPOSITED 100%
TIN MATTE FINISH

5. SILVER PLATED TERMINAL FINISH
OVERALL UNDERPLATE ELECTRODEPOSITED
DUCTILE SULFAMATE NICKEL
CONTACT AREA - ELECTRODEPOSITED PURE SILVER
(0.5% MAX IMPURITIES) SEMI-
BRIGHT FINISH
- SILVER ANTI-TARNISH : EVABRITE
GRIP AREA - ELECTRODEPOSITED 100%
TIN MATTE FINISH

6. MEETS PERFORMANCE SPECIFICATION FOR
CABLE TO TERMINAL ELECTRICAL CRIMPS
PER SAE/USCAR-21 (5/2002)

7. MEETS PERFORMANCE STANDARD FOR
AUTOMOTIVE ELECTRICAL CONNECTOR
SYSTEMS FOR SAE/USCAR-2 REV. 4
(TEMP CLASS 3) (5/2004)

8. MEETS ELECTRICAL CONNECTION SYSTEM
DESIGN SPECIFICATION (SDS) REV.11 (5/2002)

9. MEETS FIELD CORRELATED LIFE TEST (FCLT) PER
SAE/USCAR-20 (6/2004)

10. INSERTION FORCE WITH INLINE BLADE TERMINAL:
AVG. FORCE 3.1 N (REFERENCE)
2.7 N GOLD (REFERENCE)
2.9 N SILVER (REFERENCE)

11. REFERENCE FORD CAVITY SPECIFICATION
97BG-14474-ADA

12. REFERENCE AS-34083-002 FOR CRIMP INFORMATION

13. REFERENCE PK-31300-516 FOR REEL DIRECTION

14. REFERENCE PS-34083-002 FOR PRODUCT SPECIFICATION

MINOR CORRECTIONS
EC NO: JAU2014-1374
DRWN:BJENNINGS01 2014/03/03
CHKD:ADHIR 2014/06/11
APPR:BMOSER 2014/06/17

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.10 ± ---
1 PLACE ± 0.3 ± ---
0 PLACE ± ±
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
K.FERGUSON 4/14/2009
CHECKED BY DATE
A. DHIR 4/14/2009
APPROVED BY DATE
B. MOSER 4/14/2009
MATERIAL NO.
SEE TABLE
SIZE C

SCALE
3:1
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
MX 150 RECEPTACLE
CABLE SEAL
molex
DOCUMENT NO.
SD-34083-002
SHEET NO.
1 OF 1
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