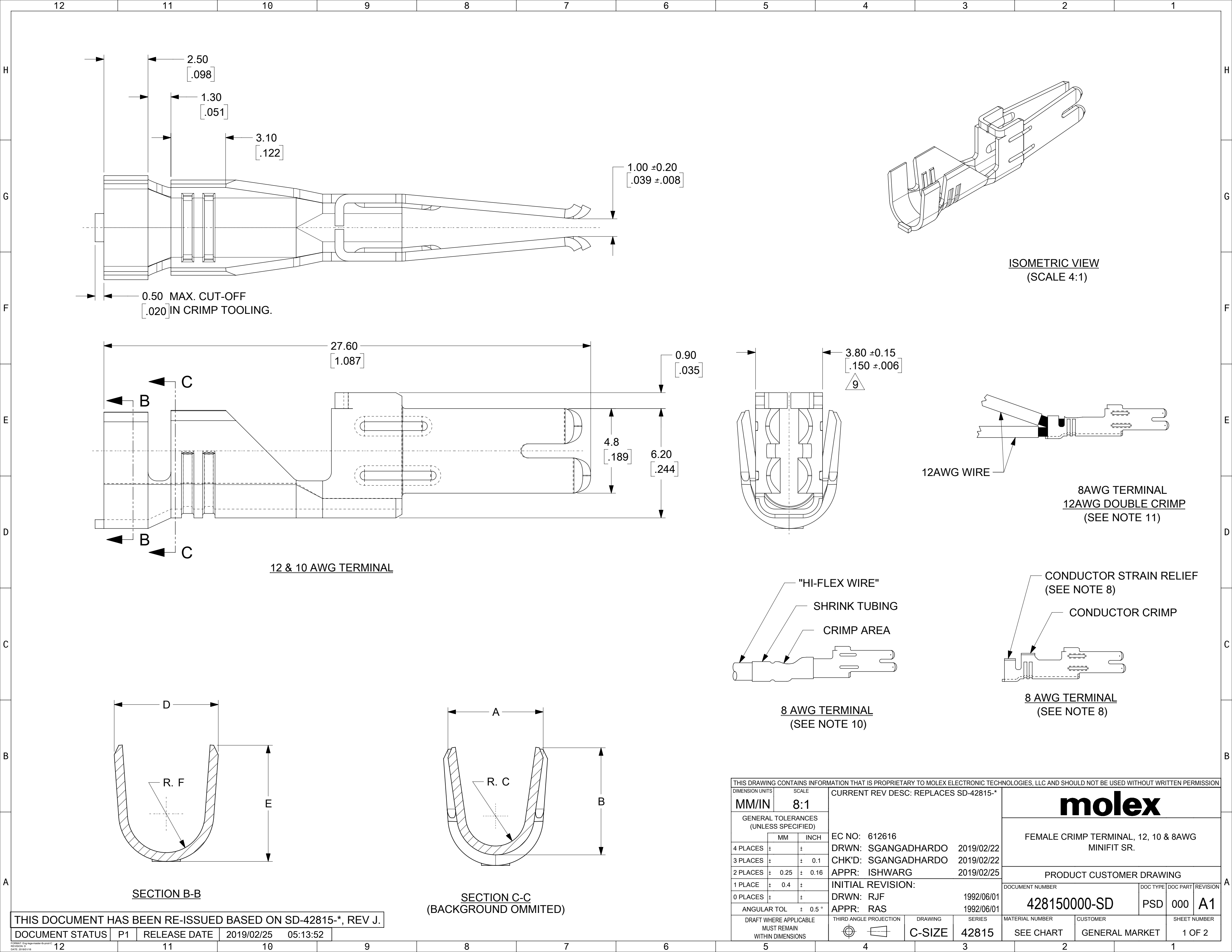




	12	11	10	9	8	7	6	5	4	3	2	1
	ITEM NUMBER	WIRE RANGE	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	MAX. INSULATION DIAMETER	PLATING	STATUS	
H	428150011	12 & 10 AWG (5 & 6mm^2)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R 2.20 [.087]	5.30 DIA. [.209]	OVERALL TIN	PLANNED FOR OBSOLESCENCE	
	428150031	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R 2.20 [.087]	6.60 DIA. [.260]			
	428150012	12 & 10 AWG (5 & 6mm^2)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R 2.20 [.087]	5.30 DIA. [.209]	SELECT GOLD	ACTIVE	
	428150032	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R 2.20 [.087]	6.60 DIA. [.260]			
G	428150114	12 & 10 AWG (5 & 6mm^2)	5.40±.60 [.213±.024]	6.10±.40 [.240±.016]	R 1.70 [.067]	5.90±.60 [.232±.024]	6.60±.40 [.260±.016]	R 2.20 [.087]	5.30 DIA. [.209]	SELECT SILVER	ACTIVE	
	428150134	8 AWG	5.83±.60 [.229±.024]	7.42±.40 [.292±.016]	R 1.70 [.067]	6.00±.60 [.236±.024]	5.50±.40 [.216±.016]	R 2.20 [.087]	6.60 DIA. [.260]			

F												
E												
D												
C												
B												
A												

NOTES:

- 1) MATERIAL: COPPER ALLOY 151, .020/(.50) THICK.
- 2) PLATING:

1 = .000100/(.00254) MIN. *TIN OVER .000050/(.00127) MIN. NICKEL.

2 = .000030/(.00076) MIN. SELECT GOLD IN CONTACT AREA. .000100/(.00254) MIN. SELECT *TIN ON SOLDER TAILS OVER .000050/(.00127) MIN. NICKEL.

4 = .000100/(.00254) MIN. SELECT SILVER IN CONTACT AREA .000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS OVER .000050/(.00127) MIN. NICKEL.
- 3) PRODUCT SPEC.: PS-42815-001
- 4) PACKAGING INFORMATION: PK-42815-001.
- 5) PART IS DESIGNED IN METRIC.
- 6) TERMINALS FOR USE WITH STRANDED WIRE ONLY.
- 7) ITEM NUMBERS PRECEDED BY AN "X" IN THE CHART ARE NOT AVAILABLE.
- 8) THE 8 AWG TERMINAL HAS NO INSULATION CRIMP. THE SECONDARY CRIMP SECTION ACTS AS A STRAIN RELIEF ON THE BARE CONDUCTOR ONLY. SEE MOLEX CRIMP SPECIFICATION FOR DETAILS.
- 9) AFTER CRIMPING, THIS DIMENSION IS .140/(3.55) MINIMUM.
- 10) WHEN USING THE 8 AWG TERMINAL WITH "SUPERFLEX WIRE", MOLEX STRONGLY RECOMMENDS THAT THE APPROPRIATELY RATED HEAT SHRINK INSULATION BE APPLIED OVER THE WIRE INSULAITON AND CRIMP AREA, AS SHOWN, TO MINIMIZE WIRE INSULATION CREEPAGE OUTSIDE OF HOUSING.
- 11) THE 8AWG TERMINAL WILL ALSO ACCOMODATE 2 12AWG WIRES SEE CRIMP SPEC FOR DETAILS.
- 12) PARTS CONFORM TO CLASS 'B' REQUIREMENT OF COSMETIC SPEC PS-45499-002.
- 13) FOR PLATING OPTION 2 SEE NOTE 2 (OVERALL TIN PLATED PARTS), FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS TO USE NYE LUBRICANT, NYOGEL 760G LUBRICANT ON THE MATING AREA, AFTER THE TERMINALS ARE INSERTED INTO THE HOUSING, REFER AS-42815-001 FOR ADDITIONAL INFORMATION.
- 14) THIS DRAWING REPLACES SD-42815-* REV. J AND 428150000 REV. A.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE		CURRENT REV DESC: REPLACES SD-42815-*			
MM/IN	1:1					
GENERAL TOLERANCES (UNLESS SPECIFIED)						
	MM	INCH				
4 PLACES	±					
3 PLACES	±		0.1			
2 PLACES	±	0.25	0.16			
1 PLACE	±	0.4				
0 PLACES	±					
ANGULAR TOL			± 0.5 °			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	
				C-SIZE	42815	

EC NO: 612616

DRWN: SGANGADHARDO 2019/02/22

CHK'D: SGANGADHARDO 2019/02/22

APPR: ISHWARG 2019/02/25

INITIAL REVISION:

DRWN: RJF 1992/06/01

APPR: RAS 1992/06/01

FEMALE CRIMP TERMINAL, 12, 10 & 8AWG MINIFIT SR.

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
428150000-SD	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 2