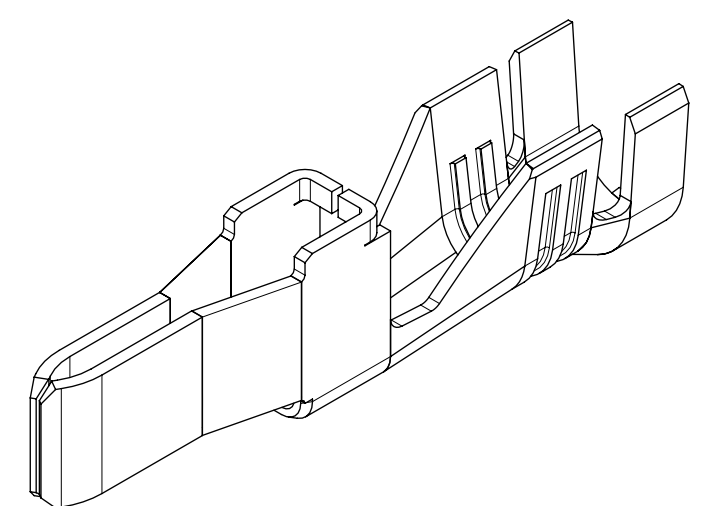
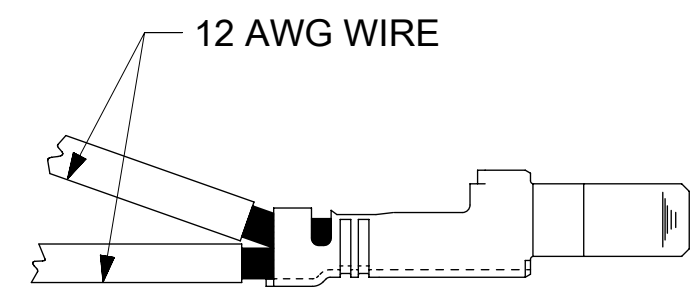
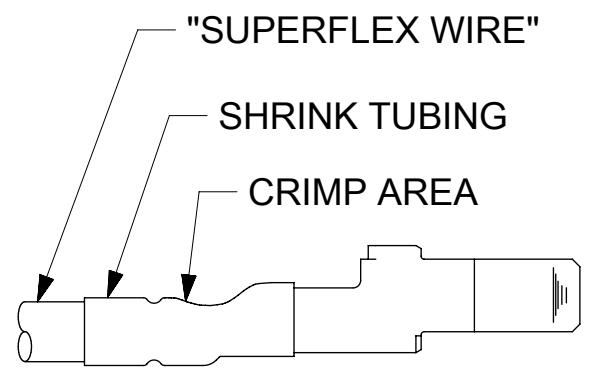
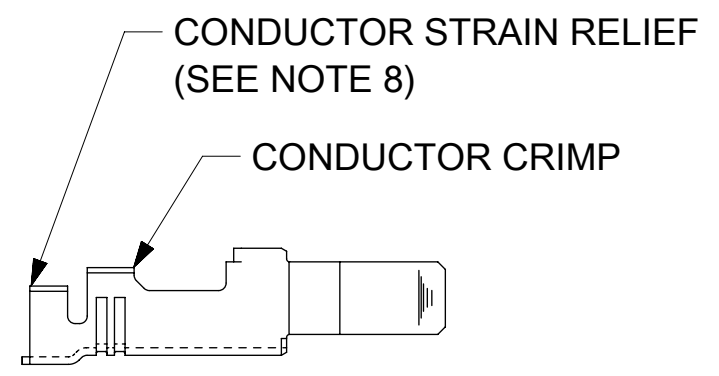
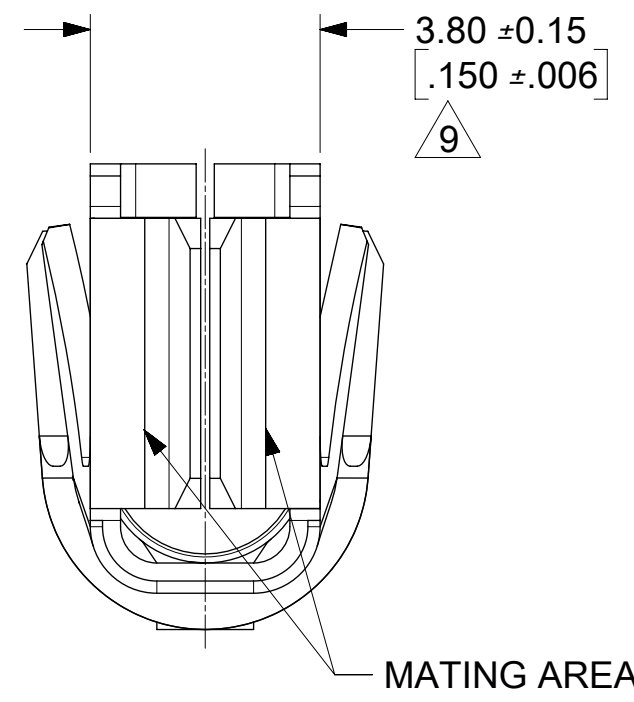
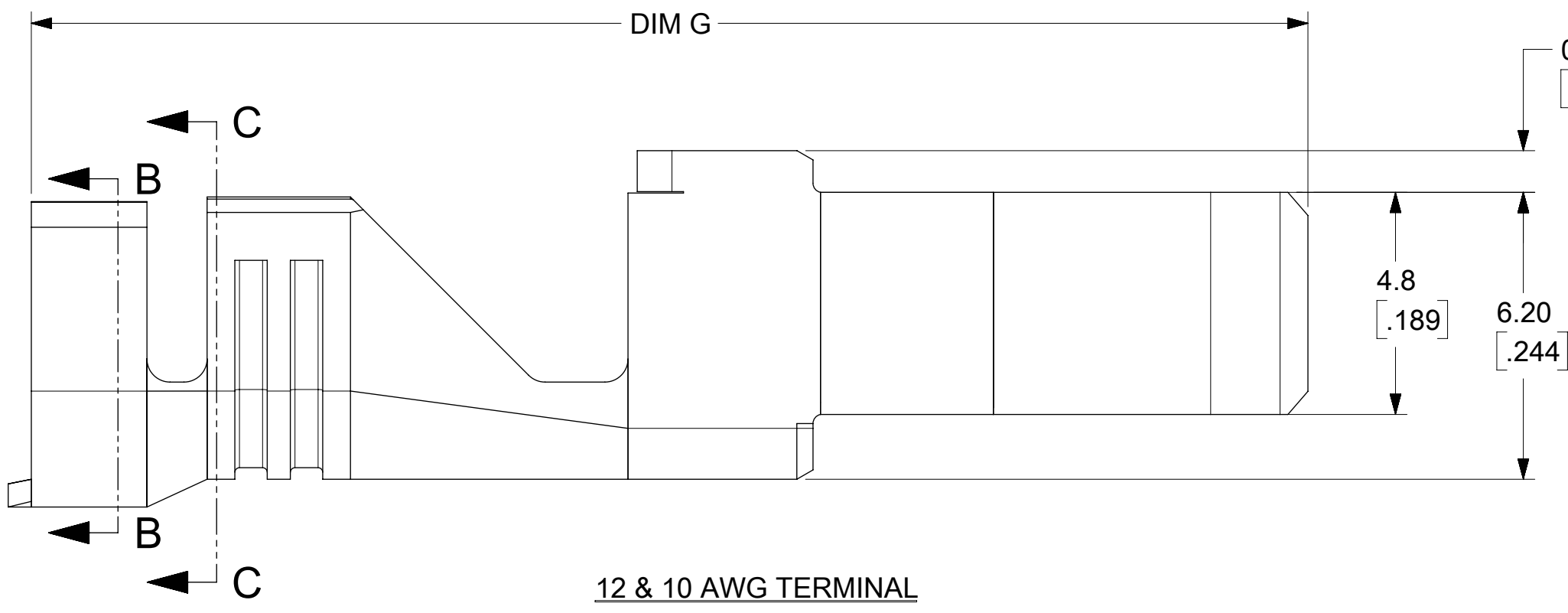
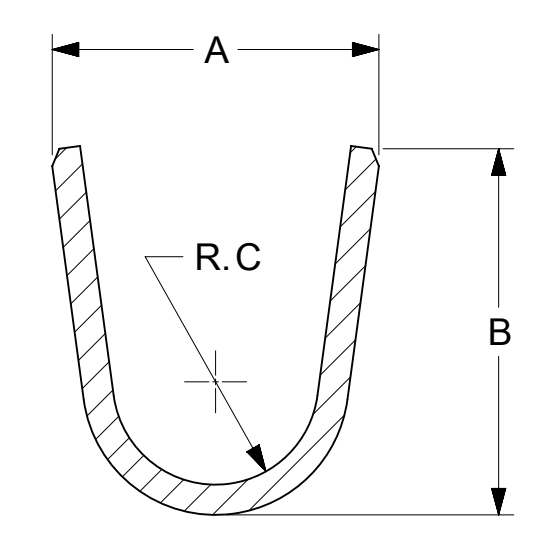
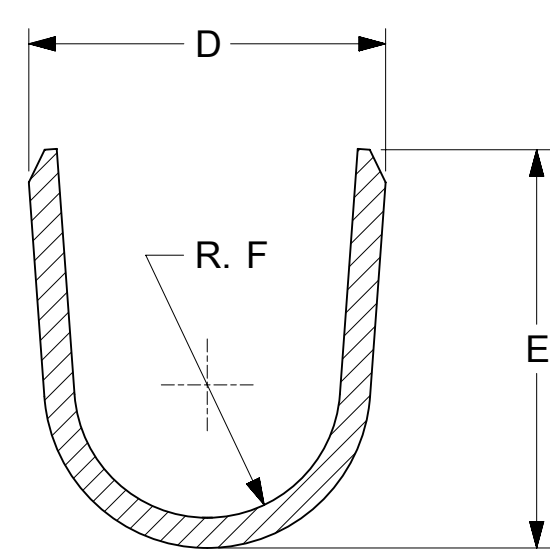
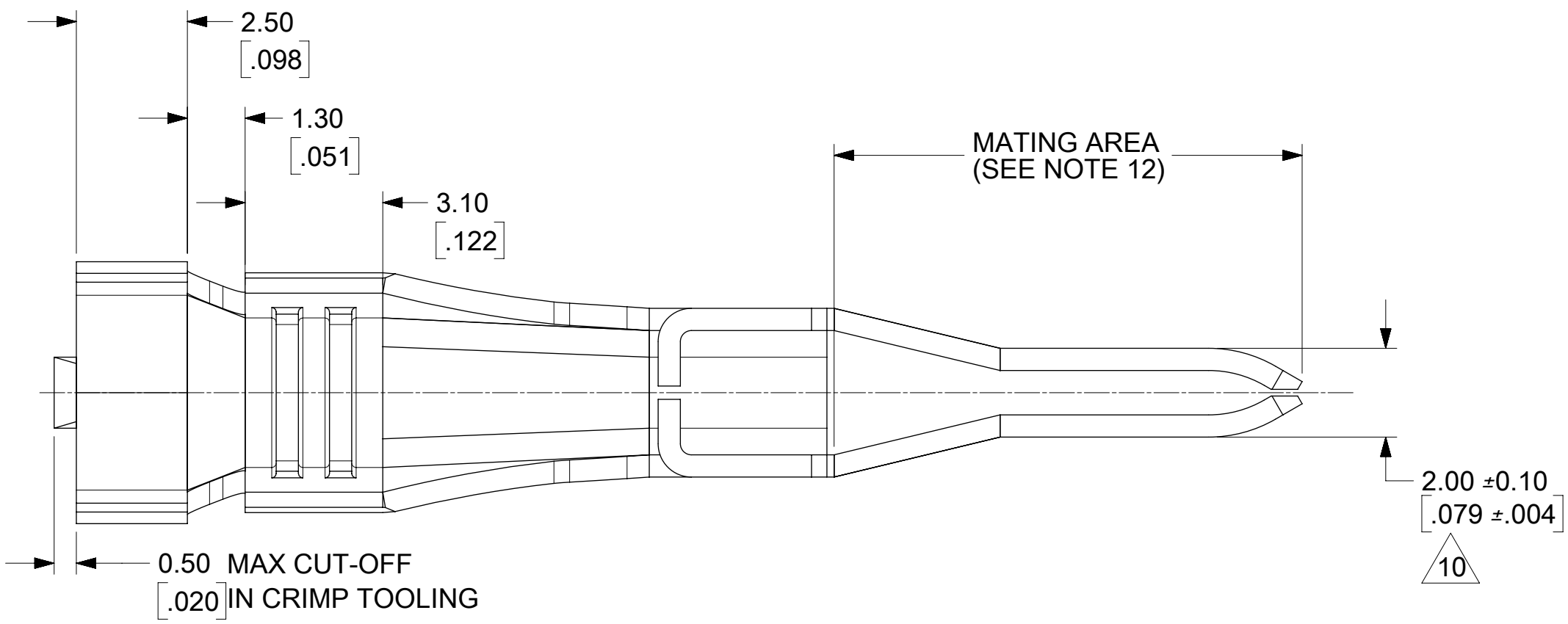




ISOMETRIC VIEW
(SCALE 4:1)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515181				molex			
MM/IN		8:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 794166 DRWN: VISHAH2 2024/05/27 CHK'D: GGA 2024/08/20 APPR: GGA 2024/08/20				MALE CRIMP TERMINAL, 12, 10 & 8AWG MINI-FIT SR.			
4 PLACES		±	MM	±	INCH		PRODUCT CUSTOMER DRAWING				
3 PLACES		±	± 0.01								
2 PLACES		±	0.25	± 0.016							
1 PLACE		±	0.4	±	INITIAL REVISION: DRWN: RJF 1992/07/01 APPR: RAS 1992/07/01						
0 PLACES		±	±								
ANGULAR TOL				± 0.5 °		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 42817		428170000-SD	
										PSD	
						MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL MARKET		REVISION A3	
										SHEET NUMBER 1 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2024/08/20	07:34:26
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	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	DIM. G	MAX. INSULATION DIAMETER	PLATING	STATUS
H	428170011	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]	27.60 [1.087]	5.30 DIA. [.209]	OVERALL TIN	PLANNED FOR OBSOLESCENCE
	428170031	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]	27.60 [1.087]	6.60 DIA. [.260]		
	428170131	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]	29.60 [1.165]	6.60 DIA. [.260]		
G	428170012	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]	27.60 [1.087]	5.30 DIA. [.209]	SELECT GOLD	ACTIVE
	428170032	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]	27.60 [1.087]	6.60 DIA. [.260]		
	428170112	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]	29.60 [1.165]	5.30 DIA. [.209]		
	428170132	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]	29.60 [1.165]	6.60 DIA. [.260]		
F	428171014	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]	27.60 [1.087]	5.30 DIA. [.209]	SELECT SILVER	ACTIVE
	428171034	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]	27.60 [1.087]	6.60 DIA. [.260]		
	428171114	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]	29.60 [1.165]	5.30 DIA. [.209]		
	428171134	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]	29.60 [1.165]	6.60 DIA. [.260]		
E												
D	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) MINIMUM SELECT SILVER IN CONTACT AREA. .000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS OVER .000050/(.00127) MIN. NICKEL.											
C	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) AFTER CRIMPING, THIS DIMENSION IS .089/(2.25) MINIMUM. 11) WHEN USING THE 8 AWG TERMINAL WITH "HI-FLEX" WIRE, MOLEX STRONGLY RECOMMENDS THAT THE APPROPRIATELY RATED HEAT SHRINK INSULATION BE APPLIED OVER THE WIRE INSULATION AND CRIMP AREA, AS SHOWN. TO MINIMIZE WIRE INSULATION CREEPAGE OUTSIDE OF HOUSING.											
A												
	DOCUMENT STATUS	P1	RELEASE DATE	2024/08/20	07:34:26							
	12	11	10	9	8	7	6	5	4	3	2	1
FORMA5 - Engineering Standard for printed circuit board assembly REVISION D DATE: 2016/01/15												

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DIMENSION UNITS	SCALE		CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515181		molex			
MM/IN	8:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 794166 DRWN: VISHAH22024/05/27 CHK'D: GGA2024/08/20 APPR: GGA2024/08/20		MALE CRIMP TERMINAL, 12, 10 & 8AWG MINI-FIT SR.			
	MM	INCH						
4 PLACES	±		±		PRODUCT CUSTOMER DRAWING			
3 PLACES	±		±	0.01				
2 PLACES	±	0.25	±	0.016	DOCUMENT NUMBER 428170000-SDDOC TYPE PSDDOC PART 000REVISION A3			
1 PLACE	±	0.4	±					
0 PLACES	±		±		MATERIAL NUMBER SEE CHARTCUSTOMER GENERAL MARKET			
ANGULAR TOL		±	0.5 °					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING C-SIZE	SERIES 42817		