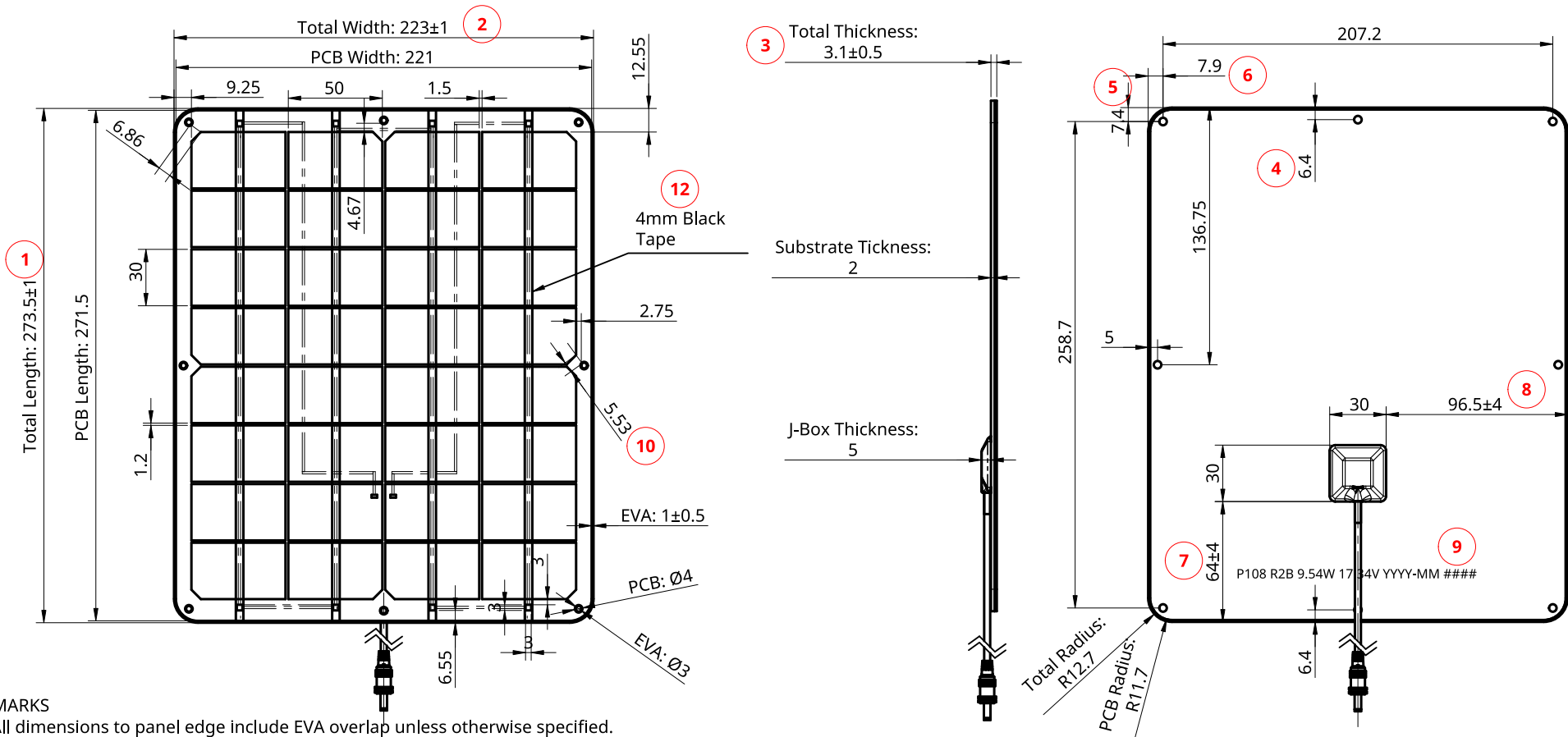


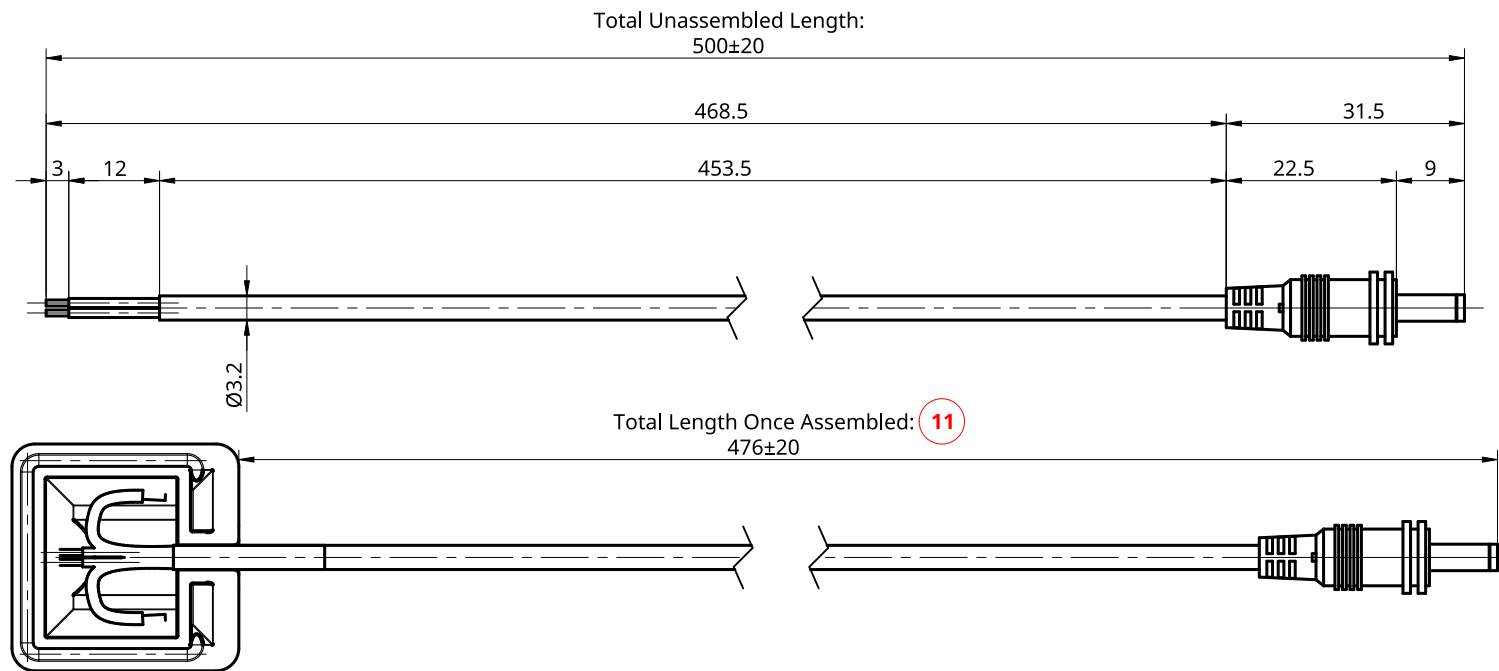


REMARKS
1. All dimensions to panel edge include EVA overlap unless otherwise specified.
2. "####" etching refers to Voltaic's PO# for traceability



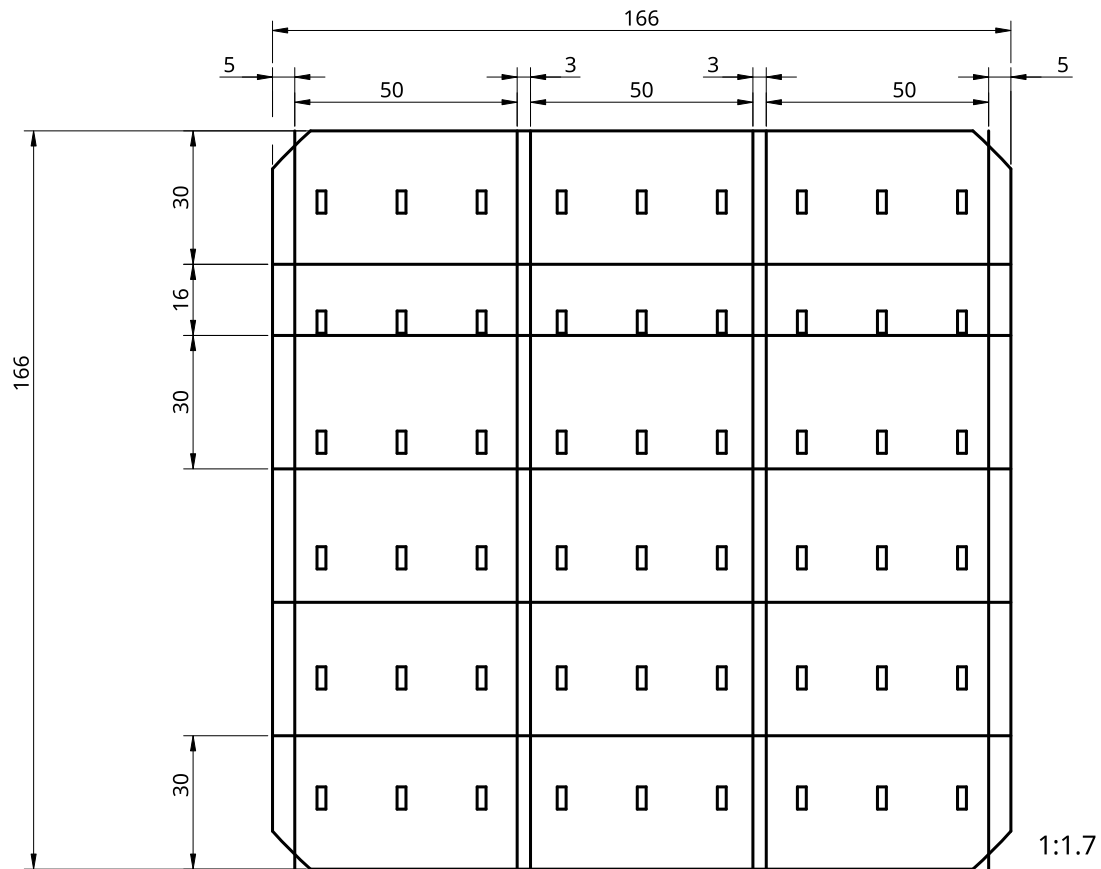
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Drawing Details		Construction		Power Specifications			
Panel Number	P108	All Materials RoHS Compliant		Output Tolerance: ± 10% of Voltage and Current			
Revision	R2B	Substrate	SINGLE SIDED PCB	Solar Cell: MONOCRYSTALLINE 3BB			
Engineer	ME	Encapsulant	EVA F806P	Nominal Efficiency: 19.5%±		Cell Pieces	
Approval	SM 2023-12-09	Top Layer	TEFKA ECTFE	Panel Electrical Rating		Nominal	Expected
Date Created	2021-01-18	Top Layer Pattern	ETFE YH01	Open-Circuit Voltage	Voc	20.45	19.43
Date Modified	2023-12-18	Wire Number	W052	Voltage at Max Power	Vp	17.34	16.48
Changes	3BB DESIGN	Measured Wire Length	500	Short-Circuit Current	Isc	0.59	0.56
Tolerance: ±0.3 mm	Units: mm	Strain Relief	J-BOX	Current at Max Power	Ip	0.55	0.52
Scale: 1:3.3	Sheet: 1/3	Attachment	THROUGH HOLES	Maximum Power	Wp	9.54	8.61



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Drawing Detail		Construction	
Wire Number	W052	All Materials RoHS Compliant	
Revision	R1C	Length	500mm
Engineer	ME	Gauge	22 AWG
Approval	SM 2021-01-12	Connector	M3511
Date Created	2021-01-18	Crimp	N/A
Date Modified	2023-12-18	Jacket Color	RED
Changes	12MM STRIPPED ENDS	Jacket Material	PU
Tolerance per mm	Length > 30mm: $\pm .04$ mm	Insulator Colors	RED & BLACK
	Length < 30mm: $\pm .15$ mm	Insulator Material	PVC
	Diameter: $\pm .03$ mm	Scale: 1:1	Sheet: 2/3



Cell Cut Diagram

Cell	MONOCRYSTALLINE 3BB	
Cell Efficiency	>19.5%	
Panel Reference	P108	
Panel Revision	R2B	
Date Created	2021-01-18	
Date Modified	2023-12-18	
Approval	SM 2023-12-09	
Tolerance: ± 0.3 mm	Units: mm	
Scale: 1:1.5	Sheet: 3/3	

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