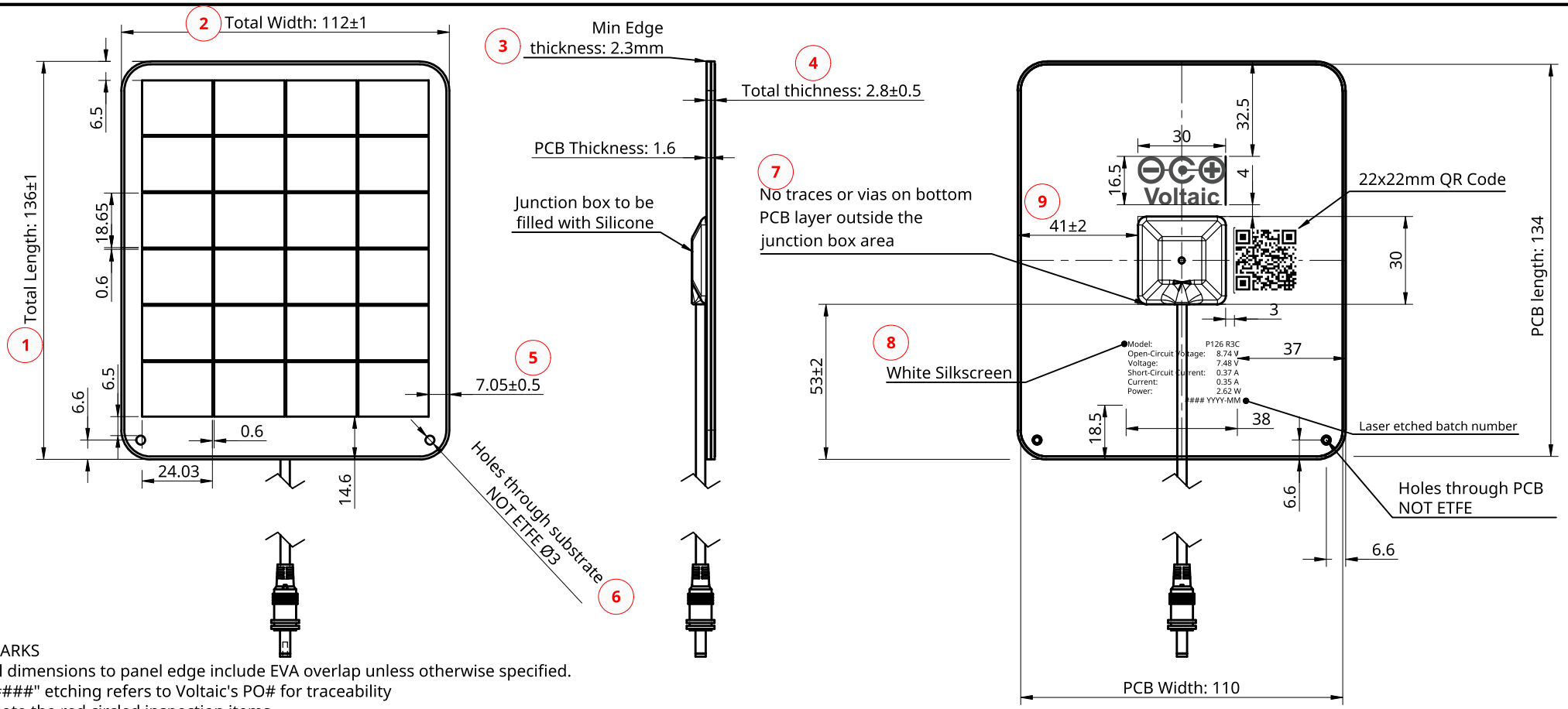
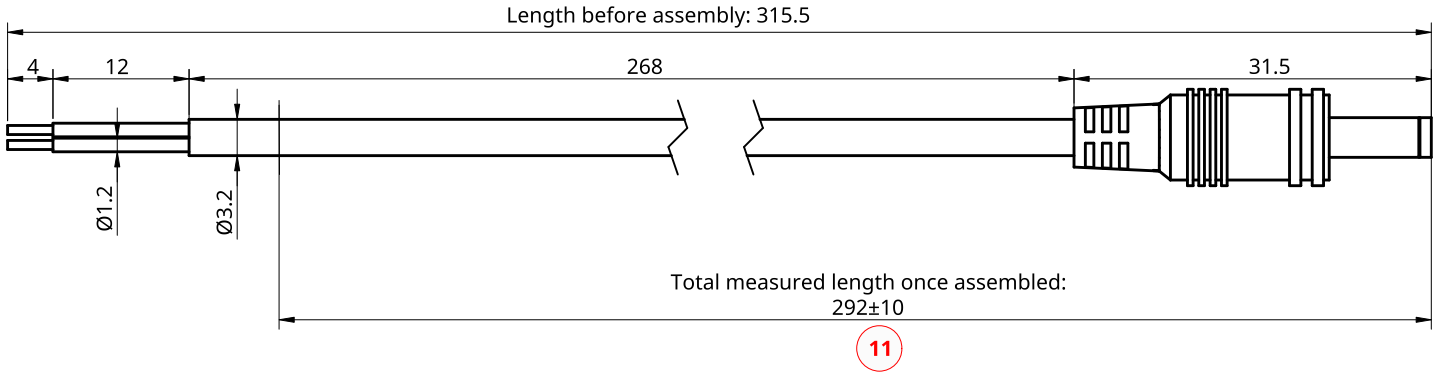


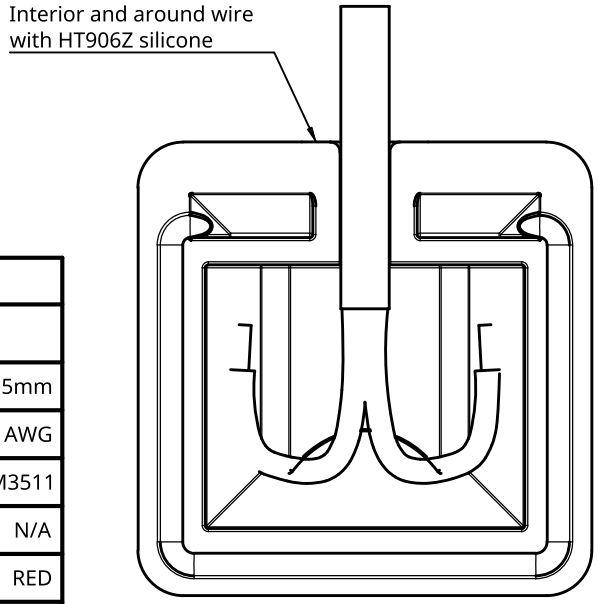
REMARKS
1. All dimensions to panel edge include EVA overlap unless otherwise specified.
2. "####" etching refers to Voltaic's PO# for traceability
3. Note the red circled inspection items

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Drawing Details		Construction		Power Specifications				
Panel Number	P126	All Materials RoHS Compliant		Output Tolerance: ± 10% of Voltage and Current				
Revision	R3C	Substrate	DOUBLE SIDED PCB	Solar Cell: SUNPOWER MAXEON GEN III				
Engineer	AK	Encapsulant	EVA F806P	Nominal Efficiency: ≥24.4%		Cell Pieces 12S2P		24
Approval	SM 2026-08-07	Top Layer	TEFKA ECTFE	Panel Electrical Rating		Nominal	Expected	
Date Created	2021-01-18	Top Layer Pattern	YH04	Open-Circuit Voltage	Voc	8.74	8.48	V
Date Modified	2026-08-07	Wire Number	W017	Voltage at Max Power	Vp	7.48	7.21	V
Changes	BATCH NUMBER LASER ETCH	Measured Wire Length	292	Short-Circuit Current	Isc	0.37	0.34	A
Tolerance: ±0.3 mm	Units: mm	Strain Relief	J-BOX	Current at Max Power	Ip	0.35	0.31	A
Scale: 1:1.6	Sheet: 1/3	Attachment	NONE	Maximum Power	Wp	2.62	2.21	W

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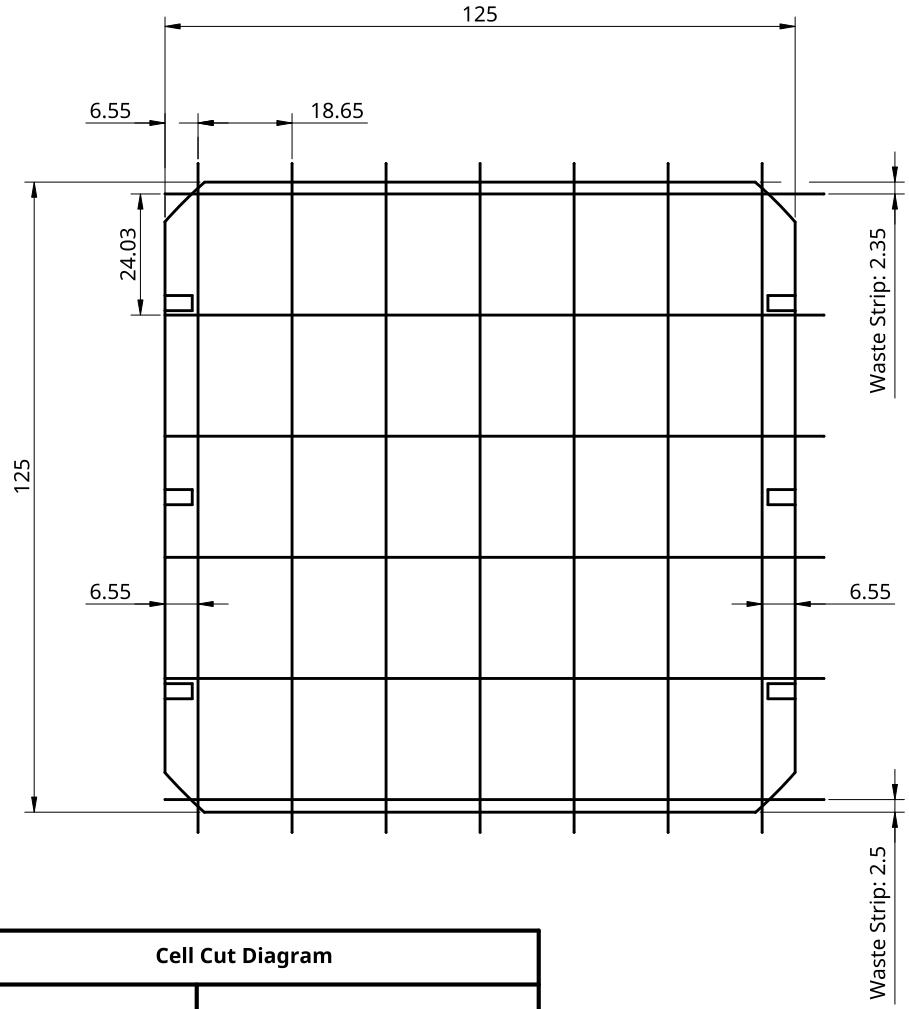


Assembly to J-Box

Voltaic

Drawing Detail		Construction	
Wire Number	W017	All Materials RoHS Compliant	
Revision	R1B	Length	315mm
Engineer	RO	Gauge	22 AWG
Approval	SM 2022-01-25	Connector	M3511
Date Created	2021-01-18	Crimp	N/A
Date Modified	2026-08-07	Jacket Color	RED
Changes	LENGTH	Jacket Material	PU
Tolerance per mm	Length > 30mm: ± .04 mm	Insulator Colors	RED & BLACK
	Length < 30mm: ±.15 mm	Insulator Material	PVC
	Diameter: ± .03 mm	Scale: 1:8	Sheet: 2/3

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Cell Cut Diagram	
Cell	SUNPOWER MAXEON GEN III
Cell Efficiency	>24.4%
Panel Reference	P126
Panel Revision	R3C
Date Created	2021-01-18
Date Modified	2026-08-07
Approval	SM 2026-08-07SM 2026-08-07
Tolerance: ±0.3 mm	Units: mm
Scale: 1:1.5	Sheet: 3/3

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