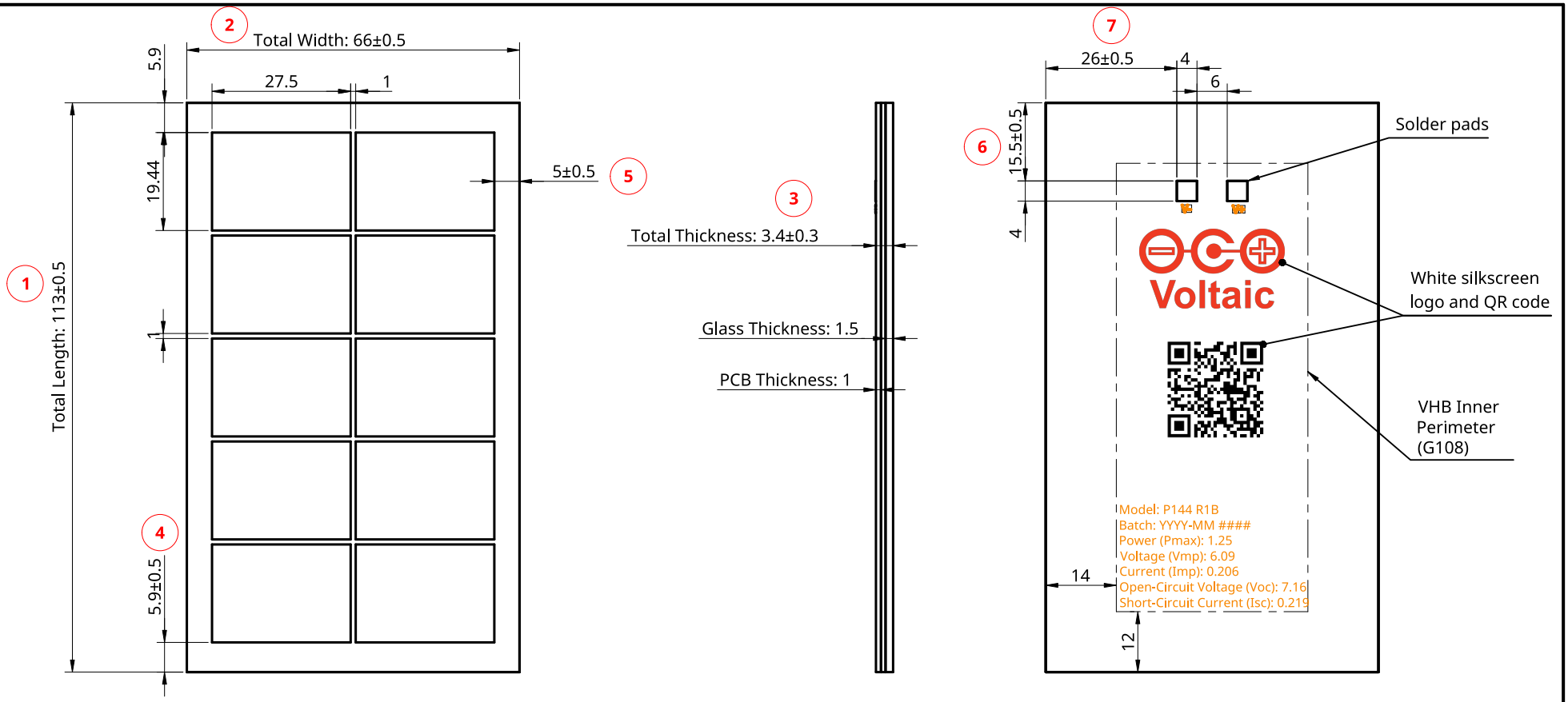
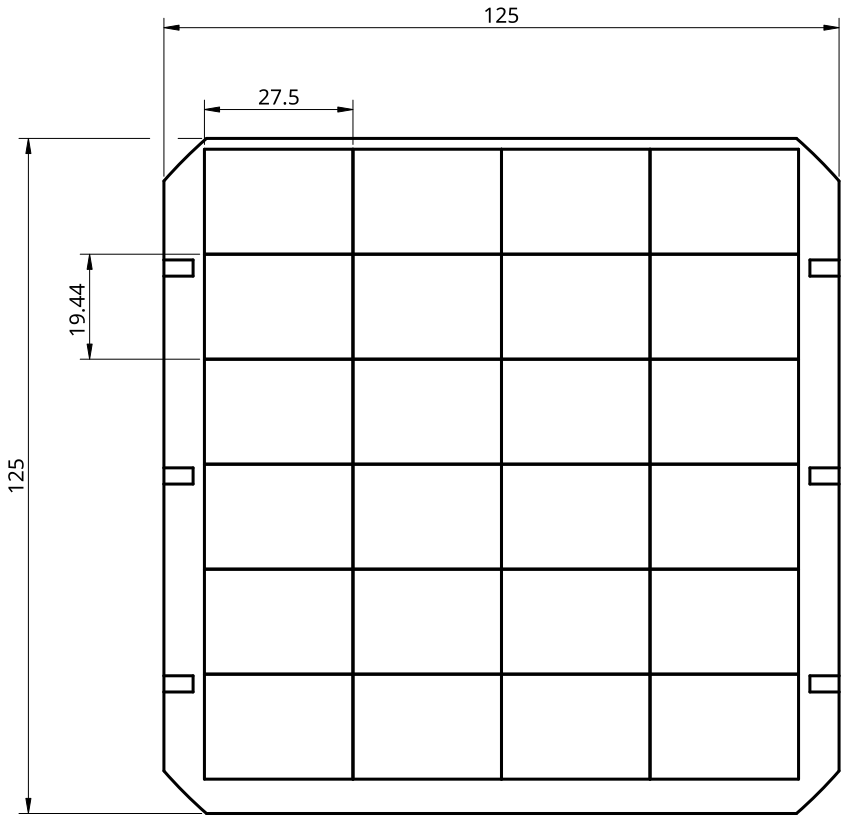


REMARKS
1. "####" silkscreen refers to Voltaic's PO# for traceability
2. Please note red circled inspection items
3. All silkscreens represented in Orange on drawing. Silkscreen should be printed white

Drawing Details		Construction		Power Specifications				
Panel Number	P144	All Materials RoHS Compliant		Output Tolerance: ± 10% of Voltage and Current				
Revision	R1B	Substrate	DOUBLE-SIDED PCB	Solar Cell: SUNPOWER MAXEON GEN III Ø166				
Engineer	MC	Encapsulant	EVA F806P	Nominal Efficiency: 23.5%≤		Cell Pieces		10
Approval	SM 2025-07-18	Top Layer	GLASS TEMPERED	Panel Electrical Rating		Nominal	Expected	
Date Created	2021-01-18	Top Layer Pattern	SMOOTH	Open-Circuit Voltage	Voc	7.16	6.95	V
Date Modified	2025-07-18	Wire Number	N/A	Voltage at Max Power	Vp	6.09	5.87	V
Changes	CELL SIZE	Measured Wire Length	N/A	Short-Circuit Current	Isc	0.219	0.201	A
Tolerance: ±0.3 mm	Units: mm	Strain Relief	NONE	Current at Max Power	Ip	0.206	0.18	A
Scale: 1:1.2	Sheet: 1/2	Attachment	VHB	Maximum Power	Wp	1.25	1.06	W

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Cell Cut Diagram	
Cell	SUNPOWER MAXEON GEN III Ø166
Cell Efficiency	>23.5%
Panel Reference	P144
Panel Revision	R1B
Date Created	2021-01-18
Engineer	2025-07-18
Reviewed By	SM
Tolerance: ±0.3 mm	Units: mm
Scale: 1:2	Sheet: 2/2

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