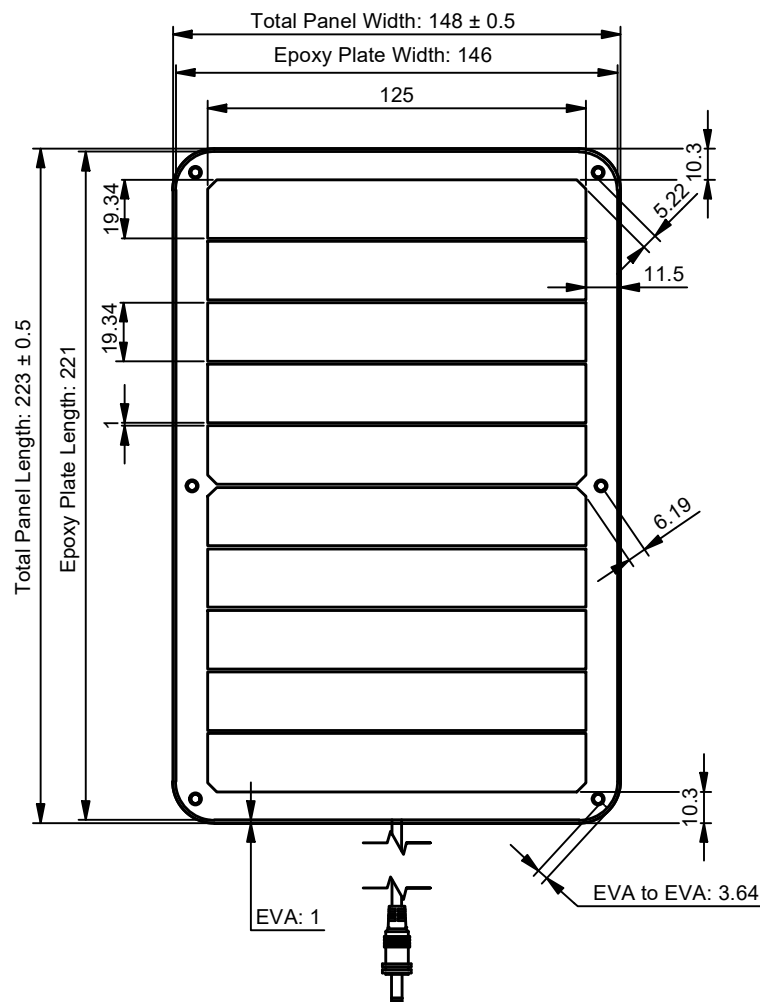
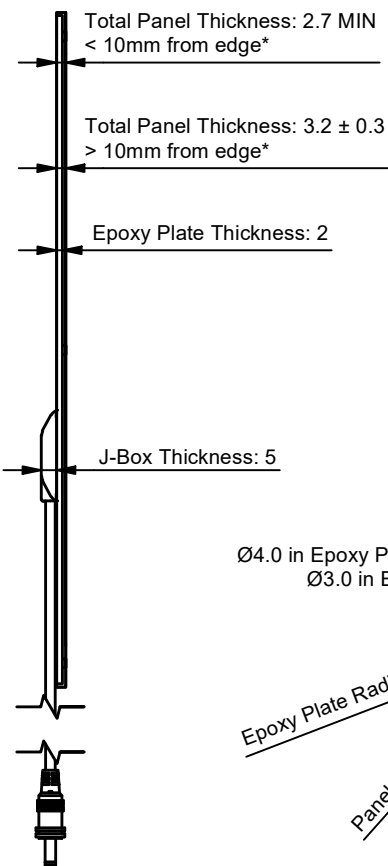
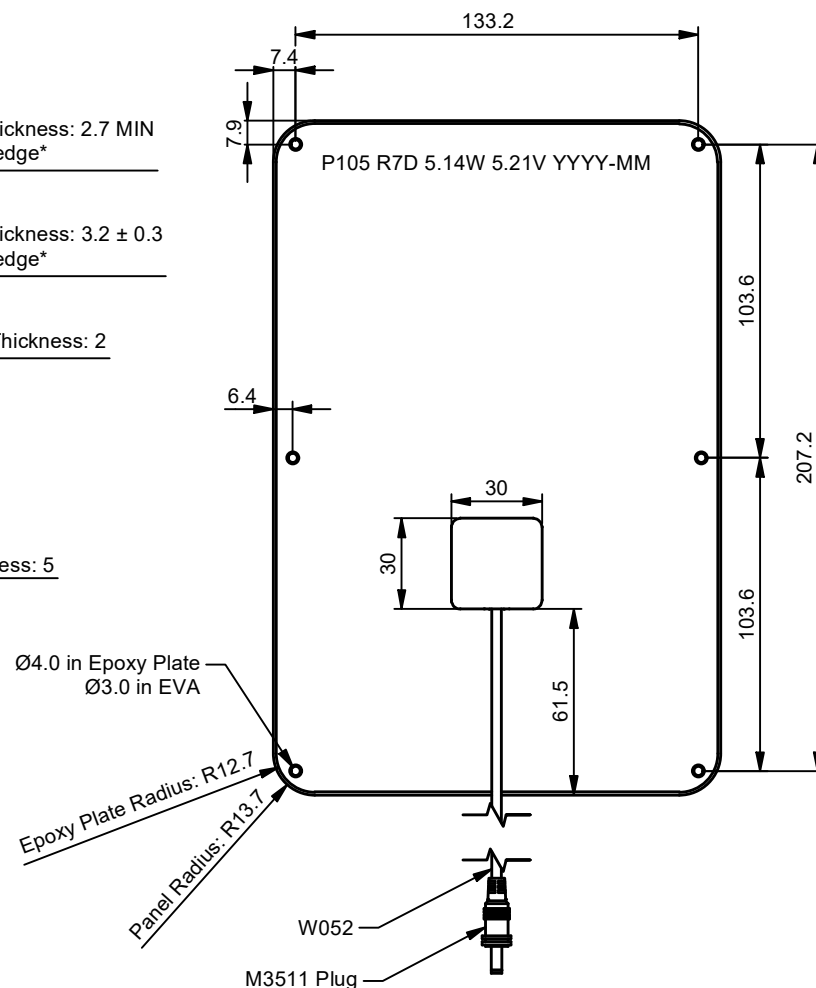




Front



Side



Back



Drawing Details

Panel Number:	P105
Revision:	R7D
Engineer:	ME
Checked By:	SM
Date Created:	2018-09-11
Date Modified:	2020-07-30
Changes:	Cell Spec
Tolerance:	± 0.3
Units:	mm
Scale:	1 : 2.5
Sheet:	1/3

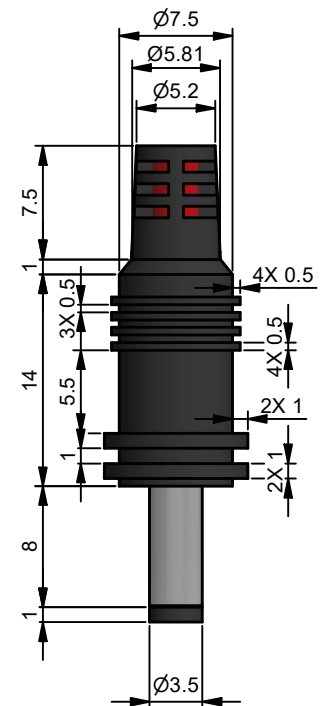
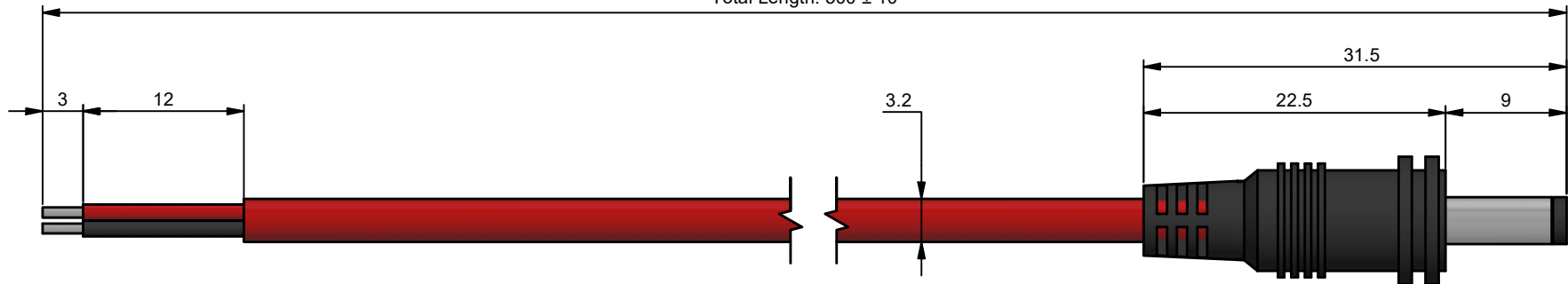
Construction

All Materials RoHS Compliant
Substrate: Black Epoxy Plate
Encapsulant: EVA F806P
Top Layer: ETFE Minimal
Wire Number: W052
Wire Length: 500 ± 10
Strain Relief 30 mm Junction Box
Attachment: 6X Screw Holes
Waterproof Rating: IP67

Power Specifications

Output Tolerance:	$\pm 10\%$ of Voltage and Current			
Solar Cell:	SunPower Maxeon Gen II Kp2			
Nominal Efficiency:	$\geq 21.9\%$	Cell Pieces:	10	
Panel Electrical Ratings		Nominal	Expected	
Open-Circuit Voltage	Voc	6.61	5.94	V
Voltage at Max Power	Vp	5.21	4.69	V
Short-Circuit Current	Isc	0.96	0.99	A
Current at Max Power	Ip	0.99	0.92	A
Maximum Power	Wp	5.14	4.30	W

Total Length: 500 ± 10



Drawing Details

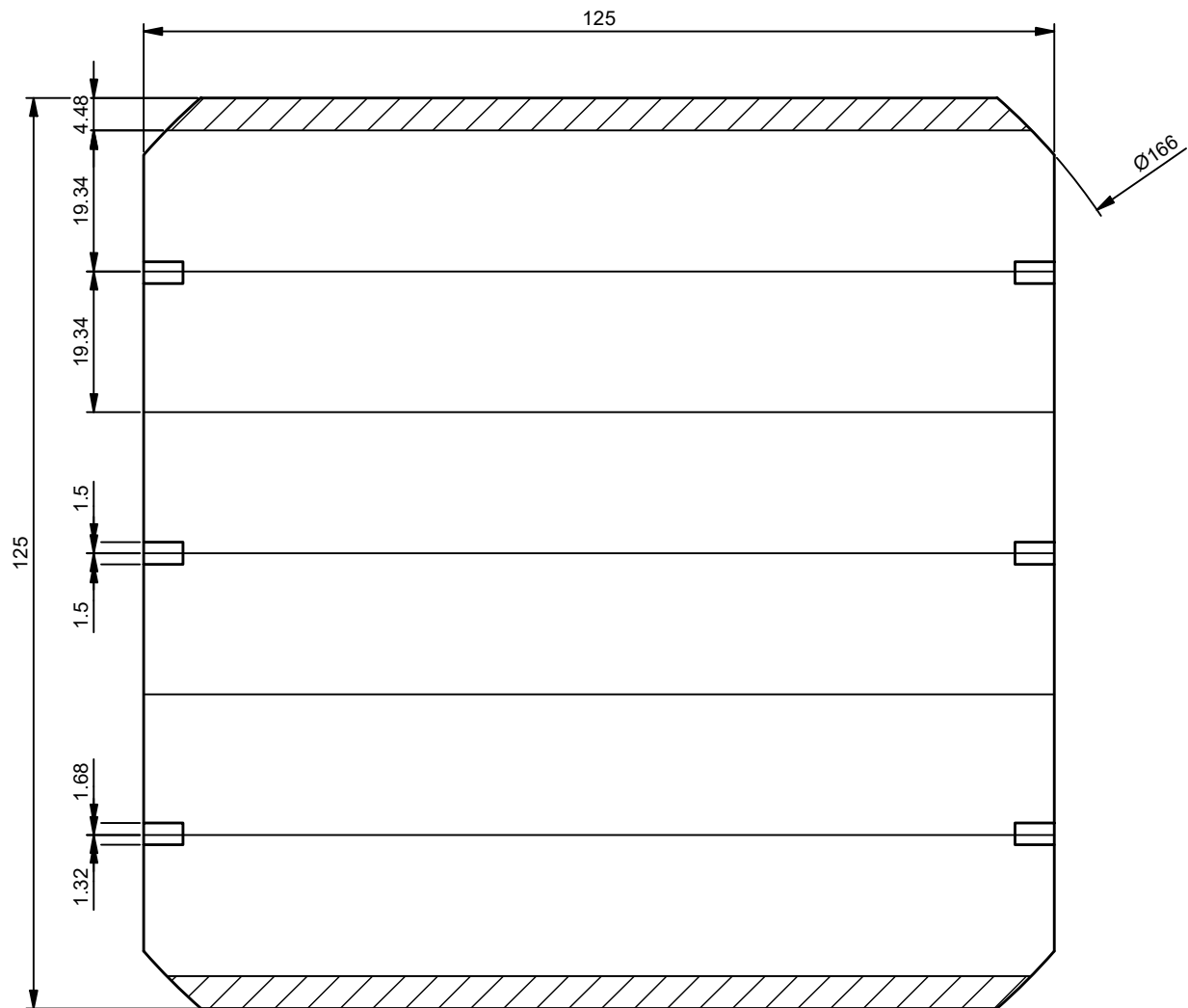
Wire Number:	W052
Revision:	R1C
Engineer:	ME
Checked By:	SM
Date Created:	2016-10-19
Date Modified:	2020-04-07
Changes:	Stripped Length

Wire Details

All Materials RoHS Compliant
Length: 500 ± 10
Conductor Gauge: 22 AWG
Connector: M3511
Crimp: N/A
Jacket Color: Red
Jacket Material: PU
Insulator Colors: Black and Red
Insulator Material: PVC

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Tolerance: ± 0.3	Units: mm
Scale: 2	Sheet: 2/3



Cell Cut Diagram

Cell:	SunPower Maxeon Gen II Kp2		
Cell Efficiency:	$\geq 21.9\%$		
Panel Number:	P105		
Panel Revision:	R7D		
Panel Date:	2020-07-30		
Engineer:	ME		
Checked By:	SM		
Tolerance:	± 0.3	Units:	mm
Scale:	1 : 1	Sheet:	3/3