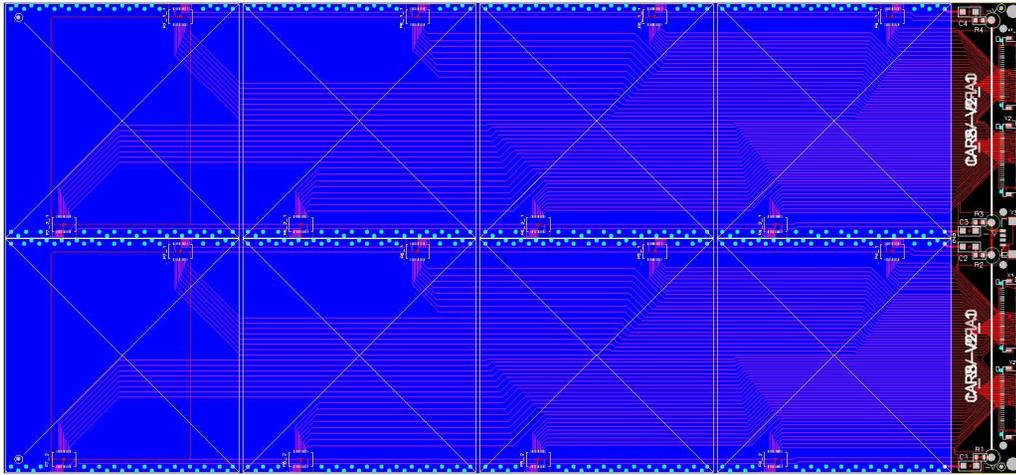
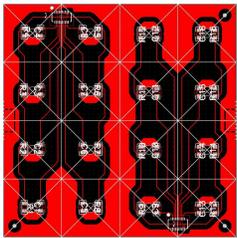


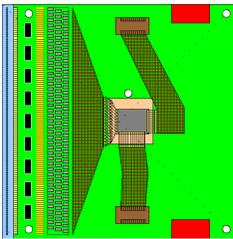
# Components



CAR8



INTC

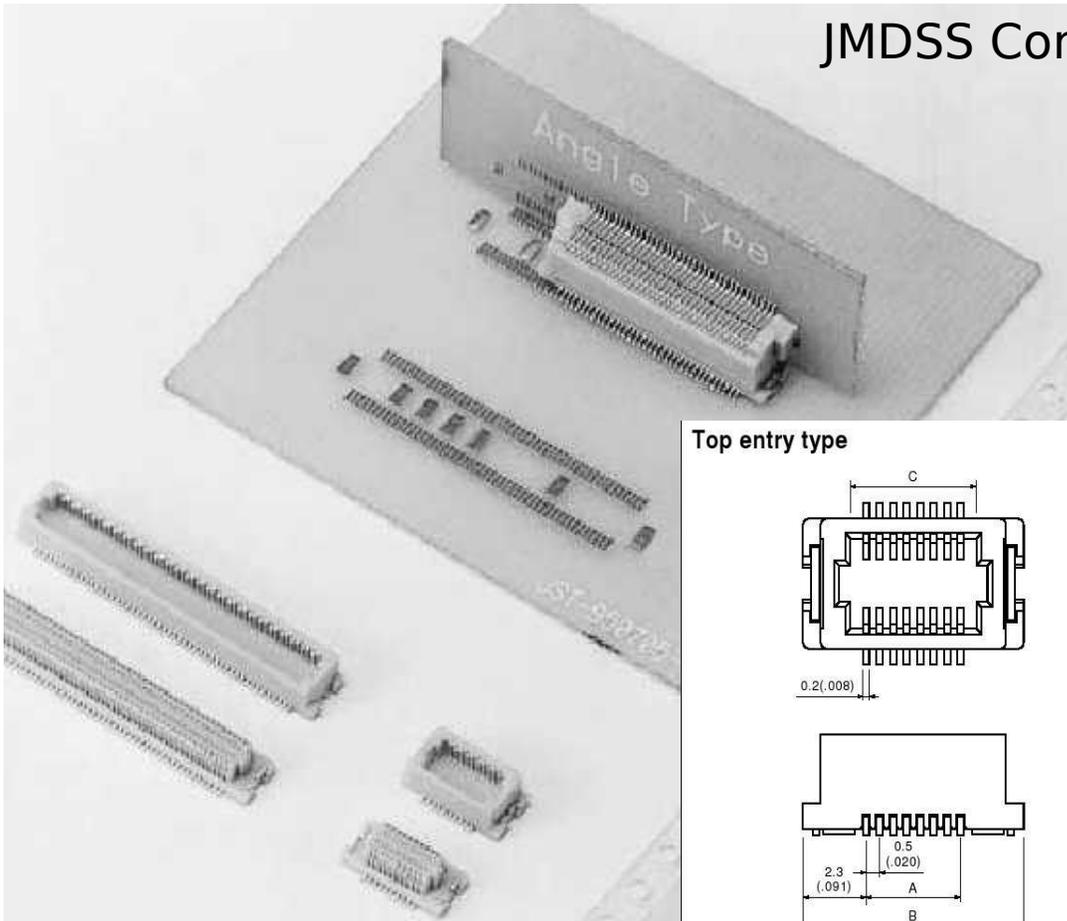


SpRC

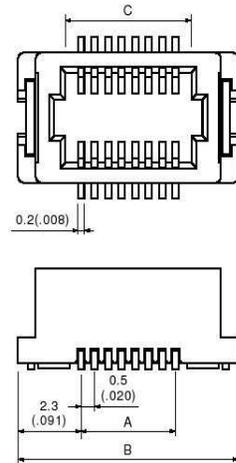


Sensor

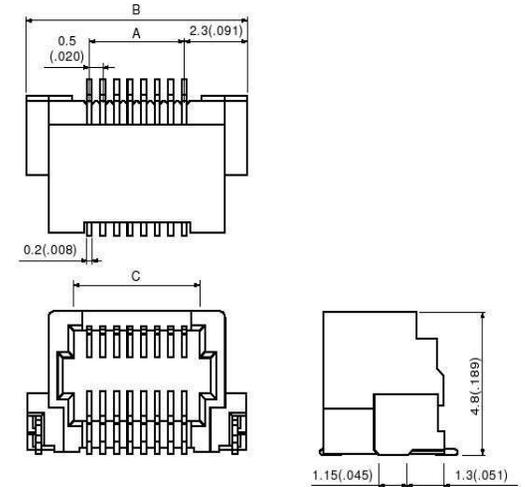
# JMDSS Connectors



Top entry type



Side entry type

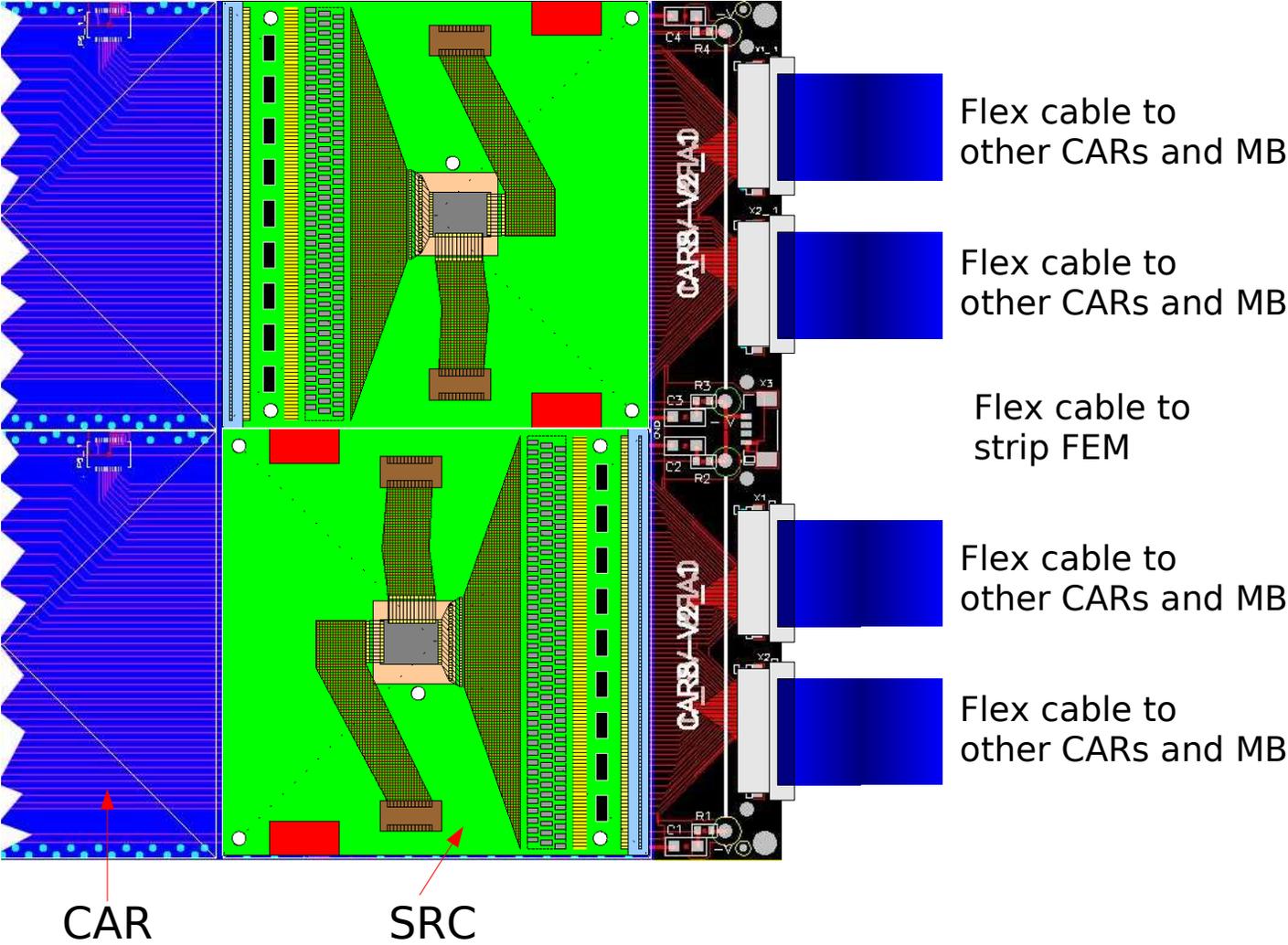


Circuits	Model No.			Dimensions mm(in.)			Qty / reel	
	Top entry type			Side entry type	A	B		C
	4.5mm (.177")	5.0mm (.197")	6.0mm (.236")					
20	<b>20P-JMDSS-G-1-TF</b>	–	–	<b>20PS-JMDSS-G-1-TF</b>	4.5(.177)	9.1(.358)	5.7(.224)	1,500
30	–	<b>30P5.0-JMDSS-G-1-TF</b>	–	<b>30PS-JMDSS-G-1-TF</b>	7.0(.276)	11.6(.457)	8.2(.323)	1,500
40	<b>40P-JMDSS-G-1-TF</b>	<b>40P5.0-JMDSS-G-1-TF</b>	–	<b>40PS-JMDSS-G-1-TF</b>	9.5(.374)	14.1(.555)	10.7(.421)	1,500
50	<b>50P-JMDSS-G-1-TF</b>	–	<b>50P6.0-JMDSS-G-1-TF</b>	<b>50PS-JMDSS-G-1-TF</b>	12.0(.472)	16.6(.654)	13.2(.520)	1,500
60	<b>60P-JMDSS-G-1-TF</b>	–	<b>60P6.0-JMDSS-G-1-TF</b>	<b>60PS-JMDSS-G-1-TF</b>	14.5(.571)	19.1(.752)	15.7(.618)	1,500
70	<b>70P-JMDSS-G-1-TF</b>	–	<b>70P6.0-JMDSS-G-1-TF</b>	<b>70PS-JMDSS-G-1-TF</b>	17.0(.669)	21.6(.850)	18.2(.717)	1,500
80	<b>80P-JMDSS-G-1-TF</b>	–	–	<b>80PS-JMDSS-G-1-TF</b>	19.5(.768)	24.1(.949)	20.7(.815)	1,500
100	<b>100P-JMDSS-G-1-TF</b>	–	–	<b>100PS-JMDSS-G-1-TF</b>	24.5(.965)	29.1(1.146)	25.7(1.012)	1,500

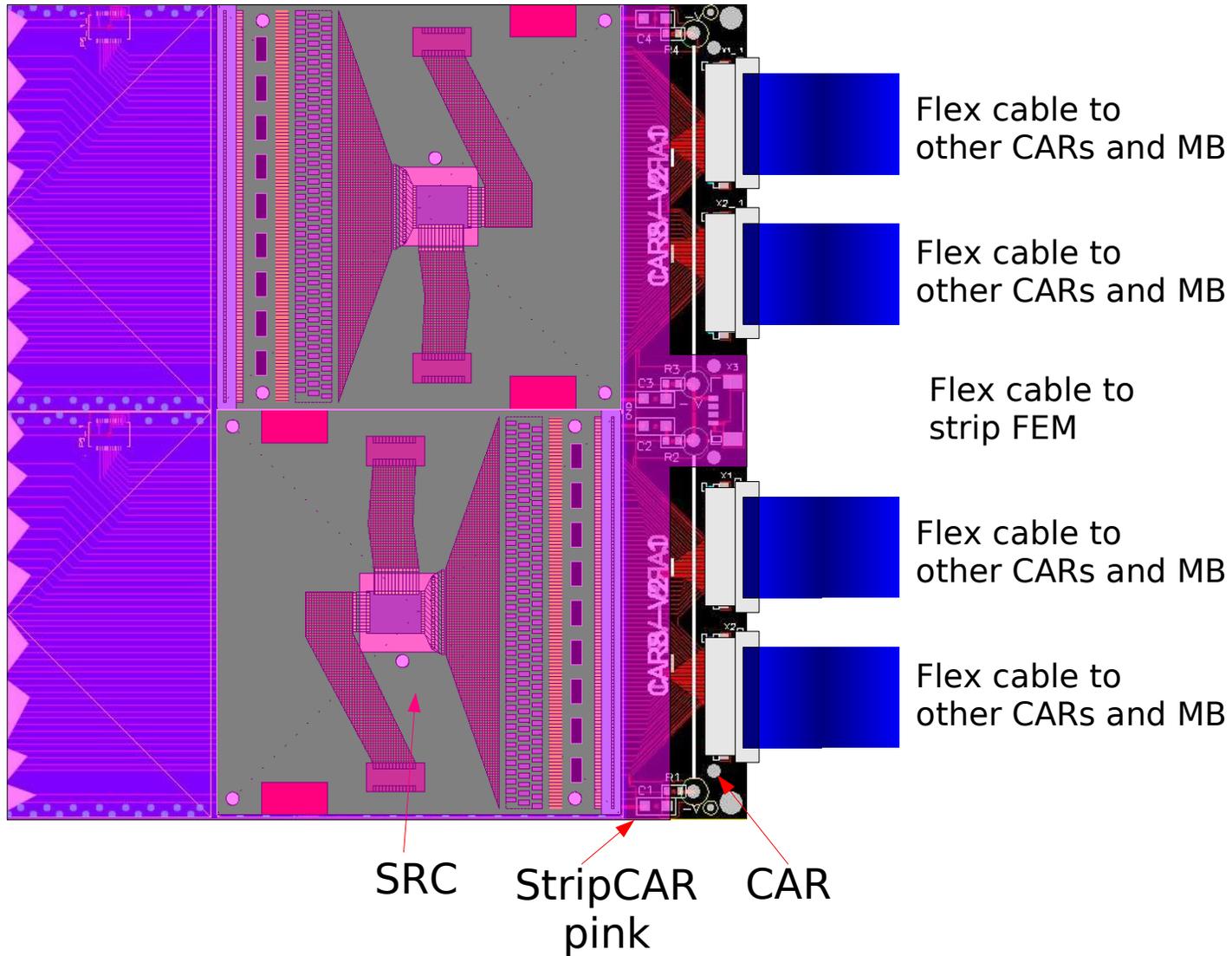
**Material and Finish**

Contact: Phosphor bronze, gold-plated  
Housing: Polyamide, UL94V-0  
Solder tab: Brass, copper-undercoated, tin/lead-plated

# Placement of SpRC Relative to CAR

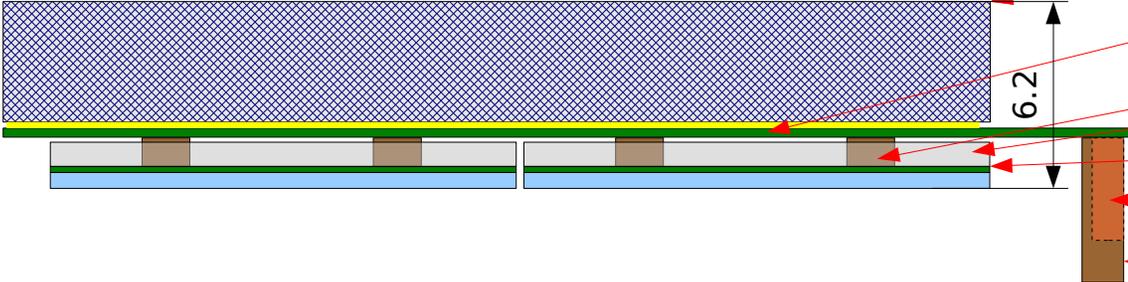


# Outline of the StripCAR – the Carrier Board for Strips



# Elements of Pad Sensors

Y Scale 4:1  
X Scale 1:1

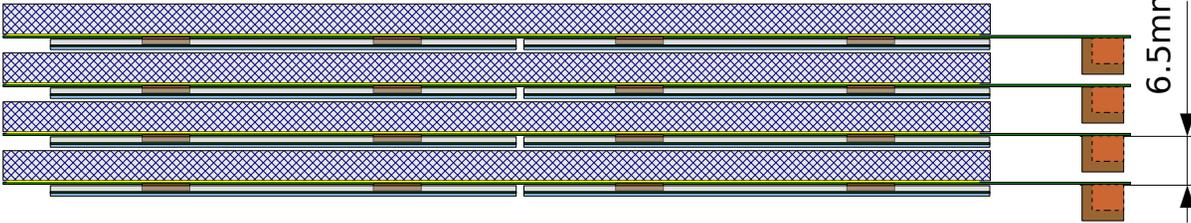


- Tungsten 4.0mm
- Glue 0.2mm
- Carrier board 271x125x0.3mm
- Connector DF30, 0.9mm
- Spacer 62x62x0.8mm
- Interconnect 62x62x0.2mm
- Conn. Molex 53261 3.4mm
- Conn. 60PS-JMDSS, 4.8mm
- Sensor 62x62x0.525mm

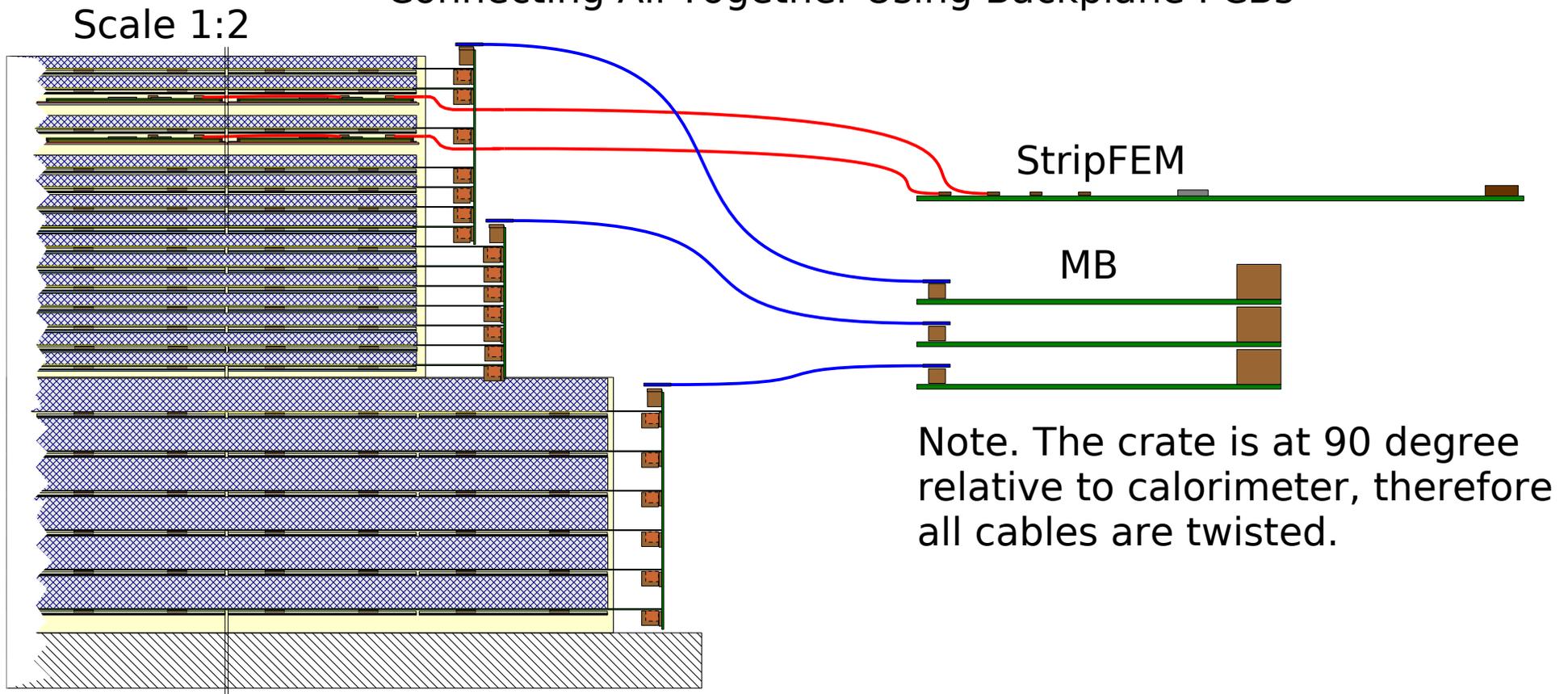
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Total: 6.125mm

Y Scale 1:1  
X Scale 1:1

## Stack of four ladders



## Connecting All Together Using Backplane PCBs



The carrier boards have connectors 60PS-JMDSS (side plugs)  
The backplanes are thin PCB with matching receptacles 60R-JMDSS and one 60PS-JMDSS (side plug) at the edge for connecting the flex cable.  
All flex cables are the same and they have receptacles 60R-JMDSS on both ends.