

DETAIL A

SCALE 3 : 1

SOLIDWORKS Educational Product. For Instructional Use Only

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 TOLERANCES:  
 FRACTIONS: 1/32  
 ANGULAR: MACH  $\pm$  BEND  $\pm$   
 TWO PLACE DECIMAL  $\pm$ .01  
 THREE PLACE DECIMAL  $\pm$ .001



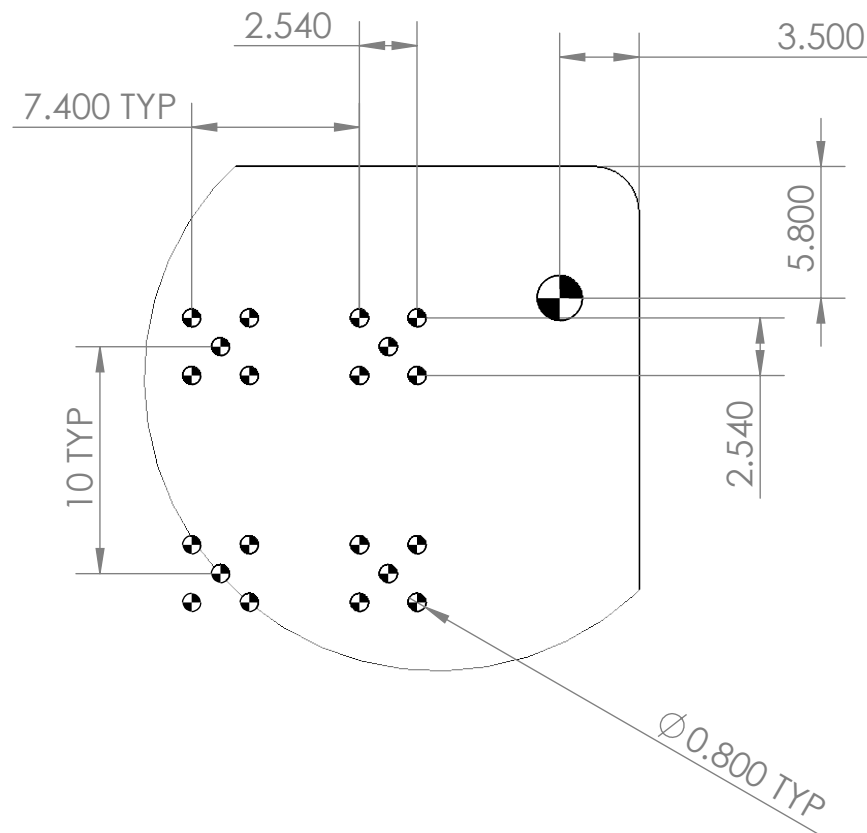
MATERIAL  
FR4  
 FINISH  
--  
 Weight  
 DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2017-10-05
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:  
 locations of the mounting holes for the  
 backplane, 40 pin connectors, and 20  
 pin connector, as well as the  
 passthrough for the solar panel  
 connector

COMMENTS:  
 The 20 and 40 pin connectors are  
 all oriented with the notched side  
 in the -Z direction (down).

DWG. NO.			--
REV	SIZE	SCALE: 3:1	
i	A	SHEET 2 OF 7	



## DETAIL B

SCALE 3 : 1



	NAME	DATE
DRAWN	Joe S.	2017-10-05
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:  
locations of the mounting holes for the  
MMCX connectors and backplane

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
FRACTIONAL: 1/32  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ±.01  
THREE PLACE DECIMAL ±.001

MATERIAL	FR4
FINISH	--
Weight	
DO NOT SCALE DRAWING	

COMMENTS:

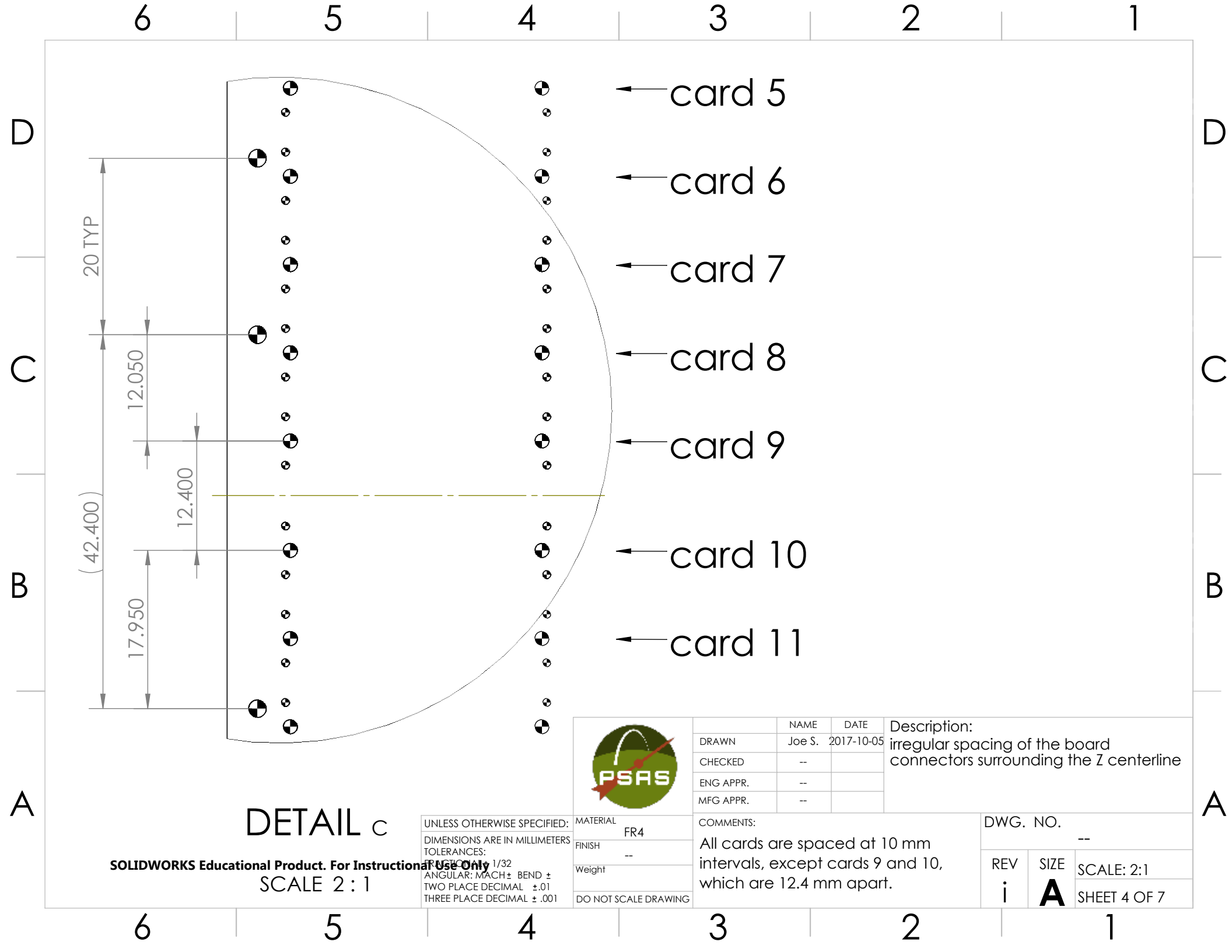
DWG. NO.

--

REV  
i

SIZE  
A

SCALE: 3:1  
SHEET 3 OF 7



DETAIL C

SOLIDWORKS Educational Product. For Instructional Use Only

SCALE 2:1

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
FRACTIONS: 1/32  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ±.01  
THREE PLACE DECIMAL ±.001



MATERIAL  
FR4  
FINISH  
--  
Weight  
DO NOT SCALE DRAWING

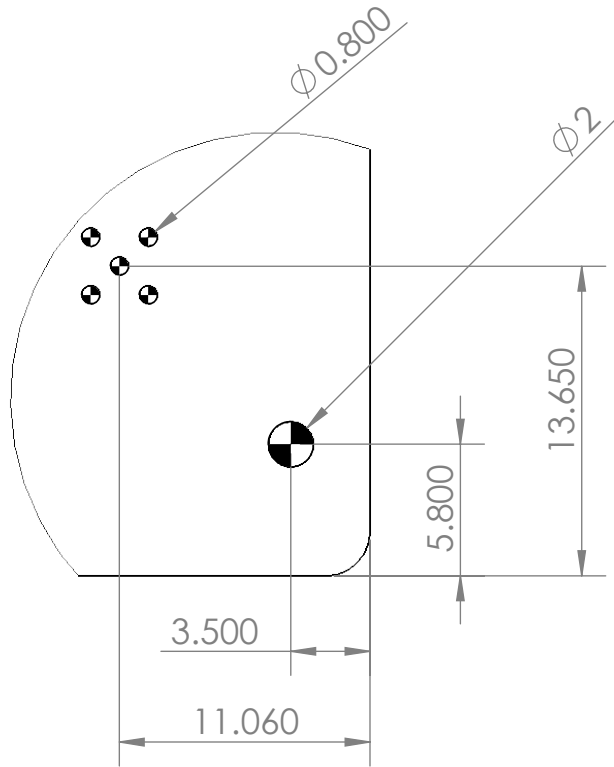
	NAME	DATE
DRAWN	Joe S.	2017-10-05
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:  
irregular spacing of the board  
connectors surrounding the Z centerline

COMMENTS:  
All cards are spaced at 10 mm  
intervals, except cards 9 and 10,  
which are 12.4 mm apart.

DWG. NO.			--
REV	SIZE	SCALE: 2:1	
i	A	SHEET 4 OF 7	





DETAIL E  
SCALE 3 : 1



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
FRACTIONS 1/32  
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$ .01  
THREE PLACE DECIMAL  $\pm$ .001

MATERIAL  
FR4  
FINISH  
--  
Weight  
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2017-10-05
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:  
MMCX and backplane mounting holes  
near the -Z, +Y corner

COMMENTS:

DWG. NO.			--
REV	SIZE	SCALE: 3:1	
i	A	SHEET 6 OF 7	

