

SOLIDWORKS Educational Product. For Instructional Use Only

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

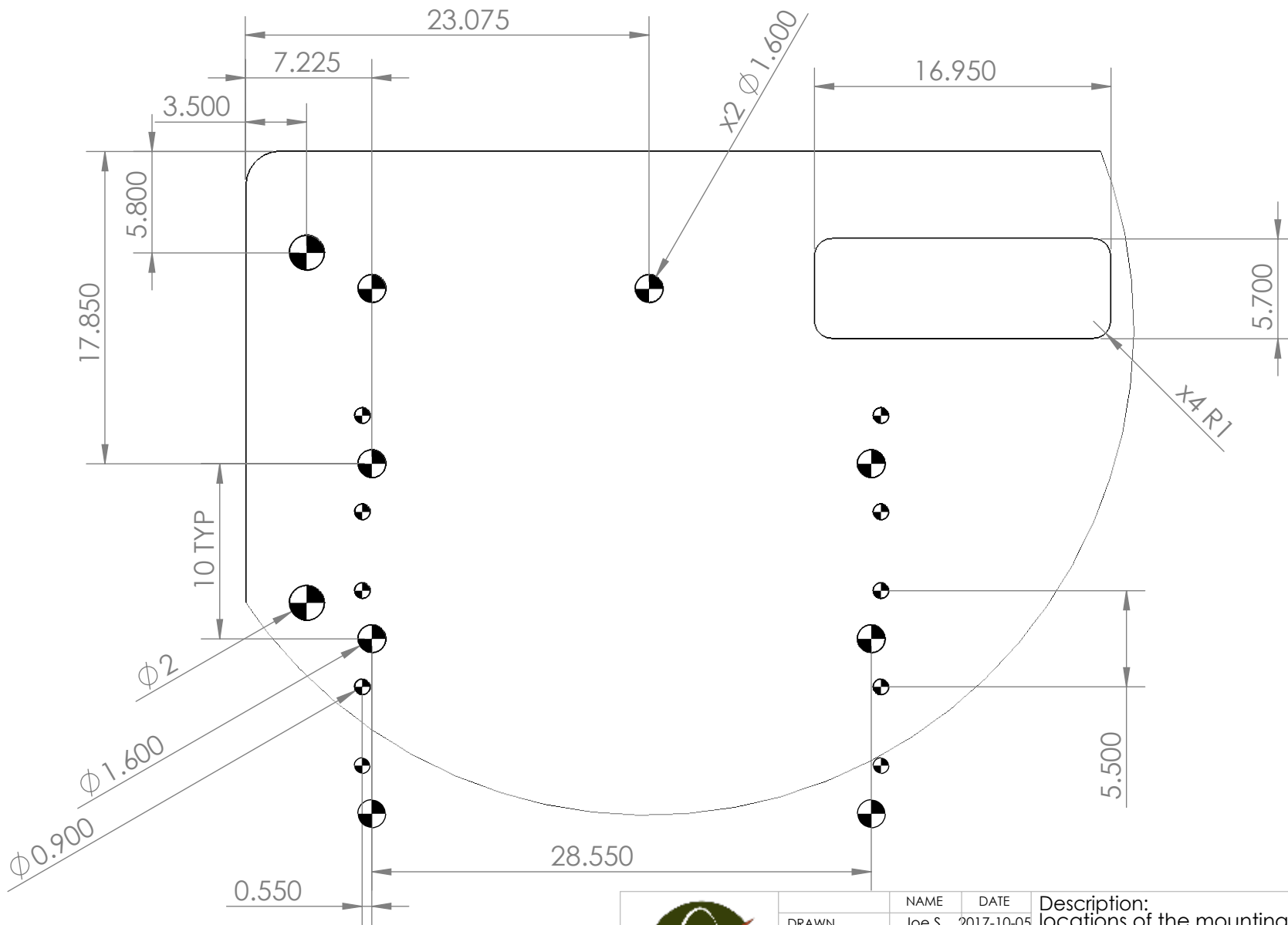
	MATERIAL
	FR4
	FINISH
	--
Weight	
DO NOT SCALE DRAWING	

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

COMMENTS:

Description:
The backplane which connects the various cards in OreSat

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



DETAIL A

SCALE 3 : 1

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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:

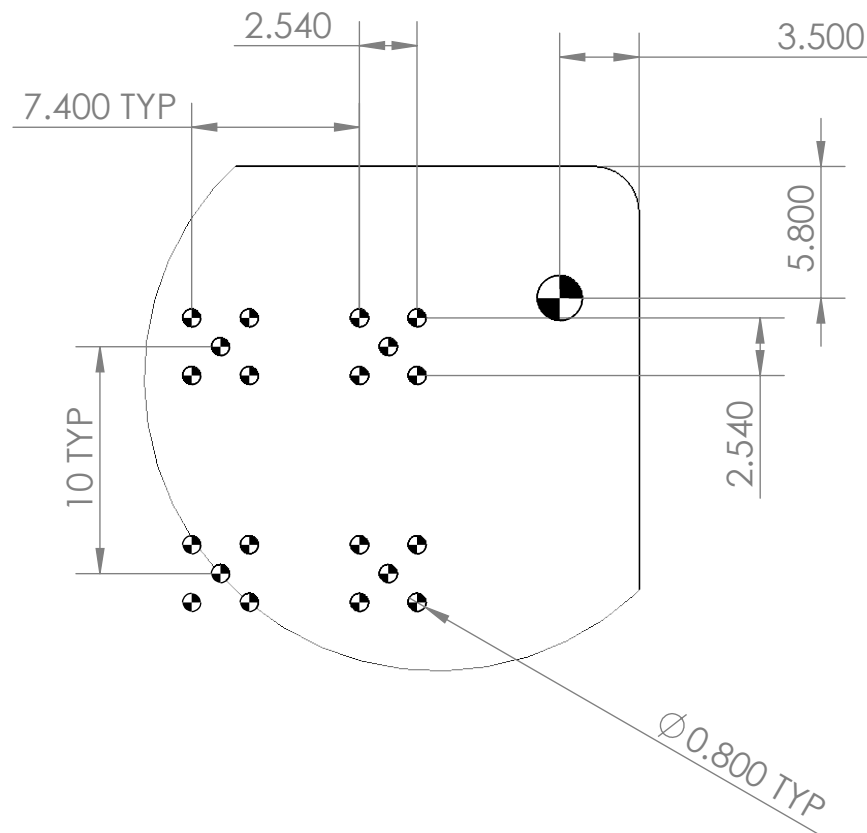
DWG. NO.

--

REV
i

SIZE
A

SCALE: 3:1
SHEET 2 OF 7



DETAIL B

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

COMMENTS:

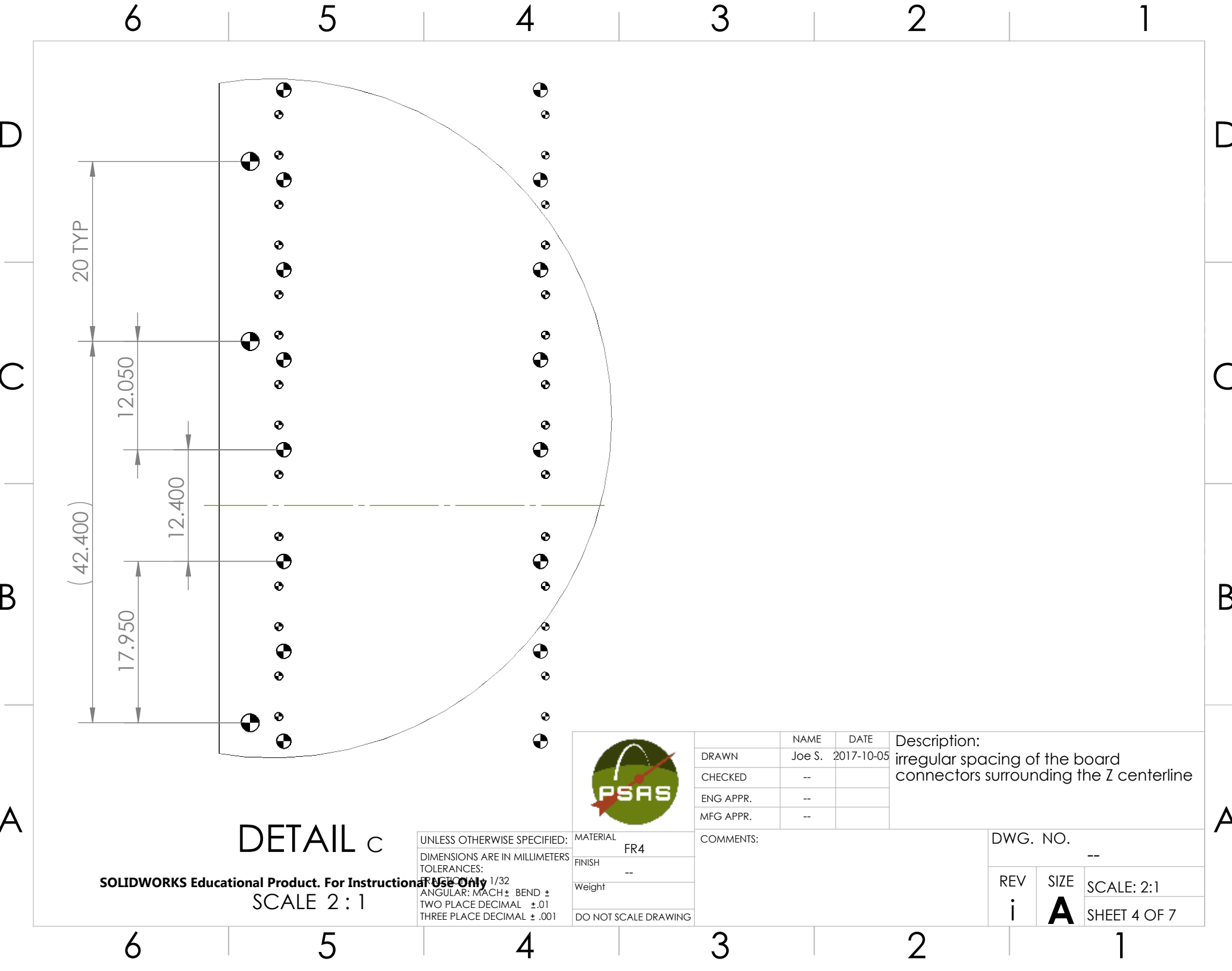
DWG. NO.

--

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

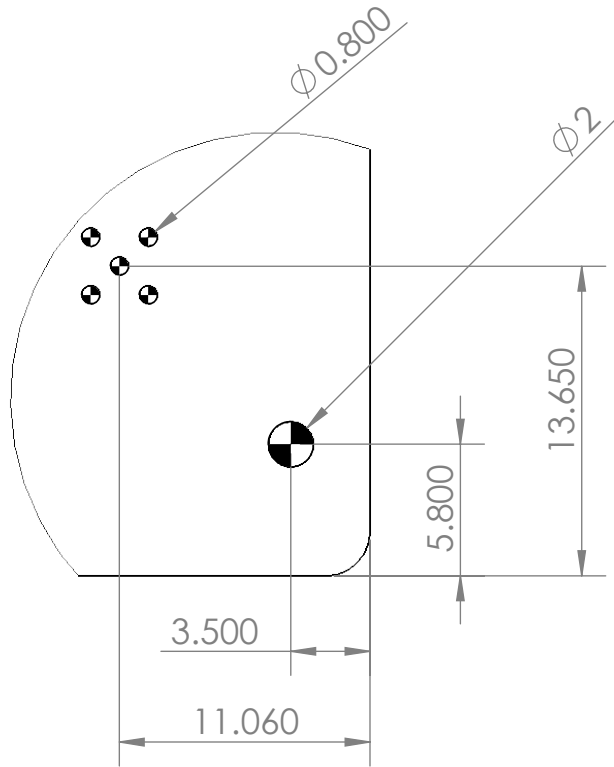
	MATERIAL
	FR4
	FINISH
	--
	Weight
DO NOT SCALE DRAWING	

	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:

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	

