

ePixHR 10kT 2x2 detector

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Front face detector:

Mechanical:

Complete Camera Assembly:

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STEP FILES:

- [Camera Assembly.stp](#)
- [PF-391-542-05_TOP_COVER.stp](#)
- [PF-391-547-06_LOWER_COVER.stp](#)

DRAWINGS:

[SA-391-547-00_01 Epix HR Camera.pdf](#)

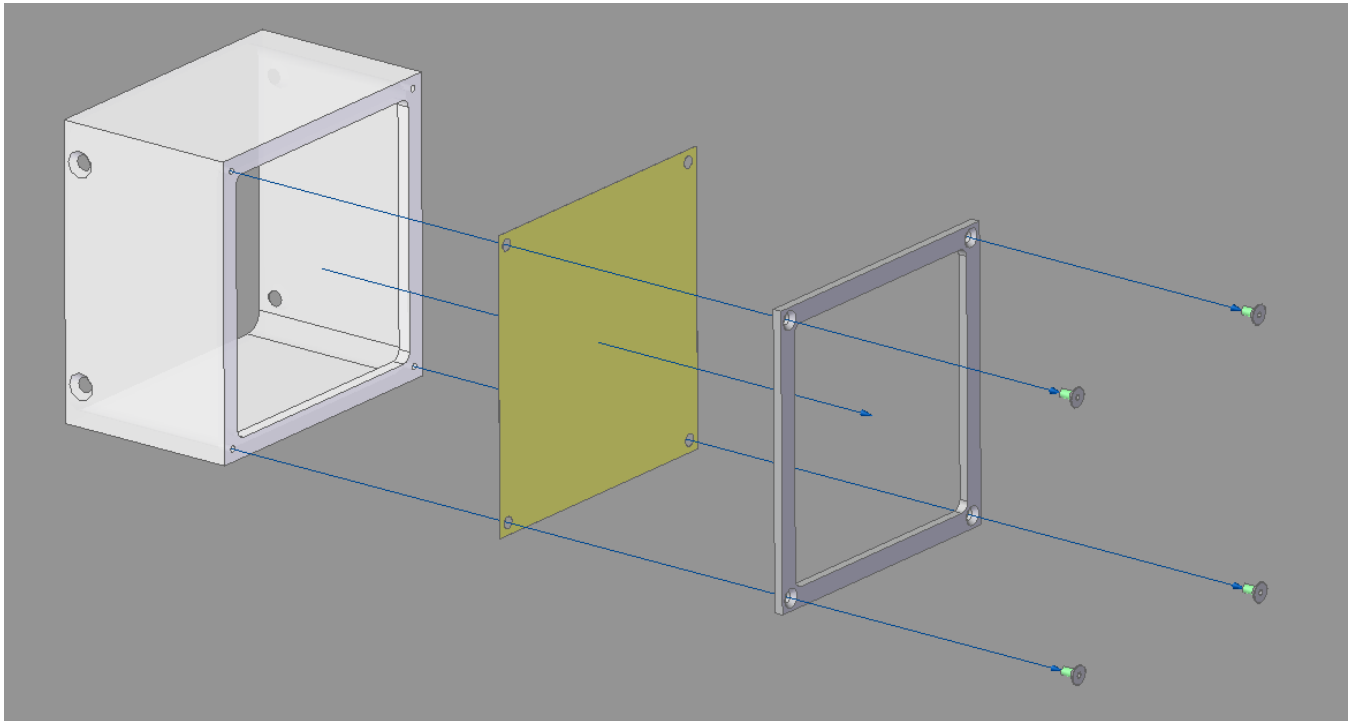
[SA-391-452-06 Standoff Assy.pdf](#)

[SA-391-542-12 Nose Assy.pdf](#)

[SA-391-547-01-01 Cold Plate Assy.pdf](#)

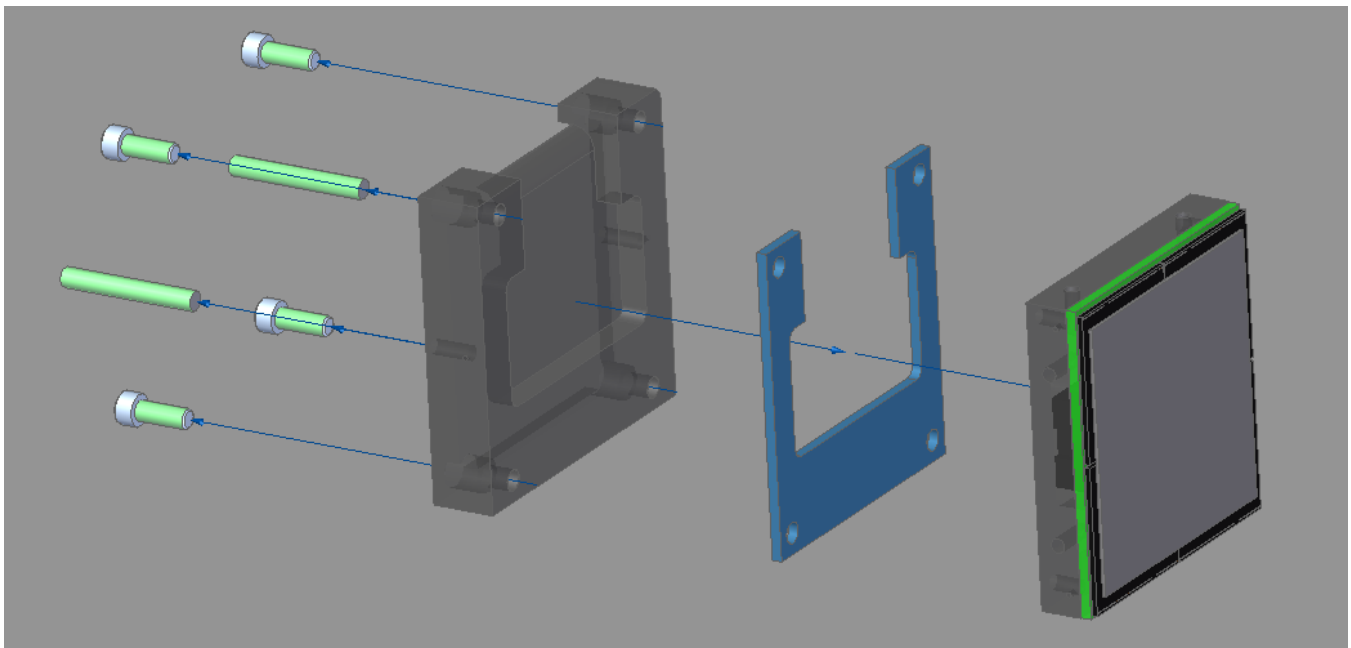
Nose Assembly:

ITEM ID	ITEM NAME	QTY
DSG-000000614	NOSE ASSY	1



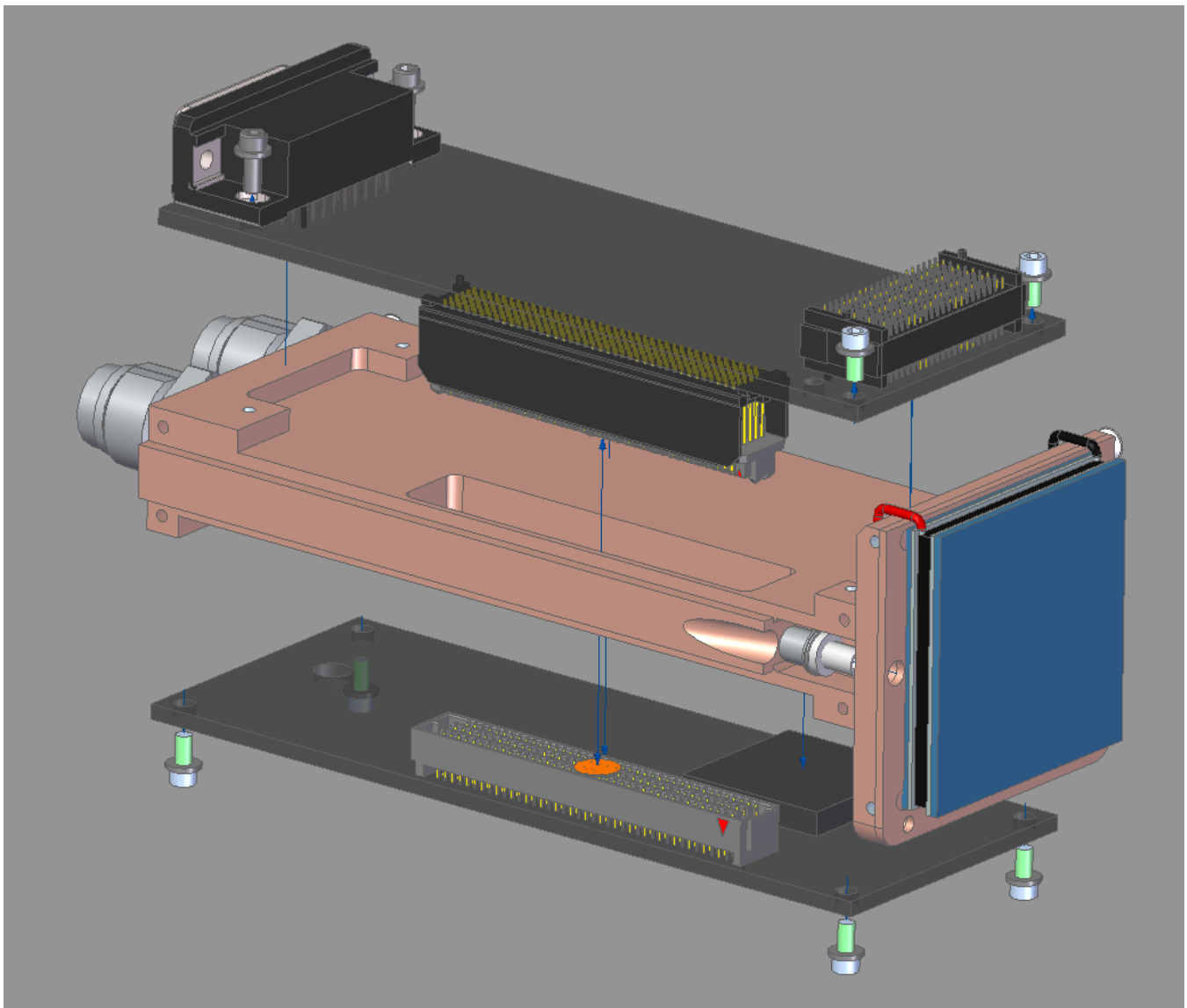
ITEM ID	ITEM NAME	QTY
DSG-000000613	NOSE COVER	1
PF-391-542-16	KAPTON WINDOW	1
PF-391-542-15	WINDOW FRAME	1
SL050101-20350	SCREW, CAP, FLAT SCH, #0-80 X .125, SST 316	4

ITEM ID	ITEM NAME	QTY
SA-391-542-68	STANDOFF ASSY	1



ITEM ID	ITEM NAME	QTY
SL050101-20403	SCREW, CAP, HEX SCH, #4-40 X .312 L, SST 316	4
PF-391-542-17	MODIFIED STUD	2
PF-391-542-26	STANDOFF COLD PLATE	1
DSG-000000699	THERMAL GAP FILLER	1
SA-391-542-69	CHIP ASSY	1

ITEM ID	ITEM NAME	QTY
SA-391-542-68	STANDOFF ASSY	1



ITEM ID	ITEM NAME	QTY
PF-391-542-03	COLD PLATE FRONT FACE	1
PF-391-547-05	COLD PLATE	1
PF-391-542-18	MODIFIED VCR GLAND	2
PF-391-542-19	MODIFIED VCR SPLIT NUT	2
LIB-000000819	PELTIER, THERMOELECTRIC MODULE, 40 mm X 40 mm X 3.90 mm THK	1
R-000008044	THERMALLY CONDUCTIVE GAP FILLER	2
PF-391-542-08	SHOULDER WASHER, #4 SCREW SIZE, PEEK	2
SL050610-23085	WASHER, SPR, BELLEVILLE DISC, #4 , 302 S	4
SL050401-23225	NUT, INSERT, HEX SKT, #4-40, .18 L, 18-8 SST	2
SL050101-20635	SCREW, CAP, HEX SCH, #2-56 X .18, SLOT V	8
SL050601-19853	WASHER, FLAT NAR, # 2, SST 316	8
SA-391-547-04	HR GEN1 PCB ASSY	1

SA-391-547-03	DIGITAL HR GEN1 PCB ASSY	1
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WORK IN PROGRESS...

ITEM ID	ITEM NAME	QTY
PF-391-542-05	TOP COVER	1
REF-000118855	LOWER COVER	1
SL050405-21923	INSR, THREADED, 8-32 X .328 L, NITRONIC	2
SL110600-00183	MICRO DRILLED ORIFICE, M3 X .125 ID TUBE	1
SL050104-21347	SCREW, SET, HEX SKT, CUP POINT, #8-32 X	2
SL050101-23383	SCREW, CAP, FLAT SCH, #2-56 X .125, CTR VENTED, SST 18-8	12

Electronics Boards:

Side face detector

Electronics boards

Mechanical: