

## Appendix D - ATLAS Pixel Detector-Global Supports Drawings

<b>LBNL Dwg</b>	<b>Description</b>
<b>21F650</b>	<b>Spaceframe Assy</b>
<b>21F651</b>	<b>Central Section Assembly</b>
21F652	Central Section Sub Panel Assy
21F653	Central Section Stiffening Tube
21F654	Central Section Panel Outer Corner
21F655	Central Section Panel Inner Corner
21F656	Central Section Panel Corner Block-1
21F657	Central Section Panel Corner Block-2
21F658	Frame Joining Pin
21F659	Central Section Sub Panel Inner Face Sheet
21F660	Central Section Sub Panel Outer Face Sheet
<b>21F665</b>	<b>End Section Assembly</b>
21F666	End Section Sub Panel -1
21F667	End Section Sub Panel -2
21F668	End Section Sub Panel Face Sheet
21F669	Vertex Joint Assembly
21F670	End Section Panel Corner Block -1 Assembly
21F671	End Section Panel Inner Corner
21F672	End Section Panel Outer Corner
21F673	End Section Stiffening Tube
21F674	End Section Panel Corner Block -1
21F675	End Section Panel Corner Block -2
21F676	Corner Block Threaded Insert
21F677	Vertex Joint Insert
21F678	Vertex Joint Plate
21F679	End Section Panel Corner Block -2 Assembly
<b>21F720</b>	<b>A Side End Cone Assy</b>
21F721	A side End Cone Frame
21F722	End Cone Flat Plate Panel Assembly
21F723	End Cone Corner Stiffener
21F724	End Cone Treaded Insert Body
21F725	End Cone Outer Corner Vertex
21F726	End Cone Treaded Insert Washer
21F727	End Cone Inner Vertex Long End
21F728	End Cone Inner Vertex One Hole A Side
21F729	End Cone Inner Vertex Two Hole A Side
21F730	End Cone Inner Vertex Hole & Slot A side
21F731	End Cone Inner Vertex Inline Hole & Slot
21F732	End Cone Mount Pad Two Hole with Pinhole
21F733	End Cone Mount Pad Inline Holes
<b>21F734</b>	<b>C Side End Cone Assembly</b>
21F735	C side End Cone Frame
21F736	End Cone Inner Vertex Two Hole C Side
21F737	End Cone Inner Vertex One Hole C Side
21F738	End Cone Mount Pad One Hole with Notch
21F739	End Cone Mount Pad One Hole
21F740	End Cone Mount Pad Two Hole C Side
<b>21F770</b>	<b>Stiffening Panel Assembly</b>
21F771	Vertex Tab
21F772	Face Sheet

## ATLAS Pixel Detector-Tooling Drawings, Global Supports

### LBNL-Drawing

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<b>21F687</b>	<b>End Section Bond Fixture Assembly</b>
<b>21F688</b>	<b>Spaceframe Bond Fixture Sub-Assembly</b>
21F689	Tube Weldment
<b>21F690</b>	<b>Spaceframe Bond Fixture Two Plate Pre-Alignment</b>
21F691	Fixture Sub-Panel Orientation Plate
21F692	Fixture Vertex Corner Joint Alignment Plate
21F693	Fixture Tube Baseplate Stand
21F694	Fixture Baseplate
21F695-1	Custom tooling pin
21F695-3	Joining Pin Centering Bushing
<b>21F699</b>	<b>Central Section Sub Panel Bonding Fixture Assembly</b>
<b>21F700</b>	<b>End Section Sub Panel Bonding Fixture Assembly</b>
21F701-1	End Section Sub Panel Bond Fixture Base
21F701-3	Central Section Sub Panel Bond Fixture Base
21F702	Central Section Sub Panel Bond Fixture End Plate
21F703	End Section Sub Panel Bond Fixture End Plate
21F704	Sub Panel Bond Fixture Shoulder Screw
<b>21F705</b>	<b>Inner Vertex Stiffener Molded Assembly</b>
21F706	Inner Vertex Stiffener Mold Cavity
21F707	Inner Vertex Stiffener Mold Cavity Coverplate
<b>21F708</b>	<b>Outer Vertex Stiffener Molded Assembly</b>
21F709	Outer Vertex Stiffener Mold Cavity
21F710	Outer Vertex Stiffener Mold Insert
<b>21F711</b>	<b>Vertex Stiffening Tube Mold Cavity Assembly</b>
21F712	Vertex Stiffening Tube Mold Cavity
<b>21F713</b>	<b>Vertex Joint Tube Mold Cavity Assembly</b>
21F714	Vertex Joint Tube Mold Cavity
21F715-1	Centerless Ground Roundstock - Joint Insert Mandrel
21F715-3	Centerless Ground Roundstock -Mold Alignment Rod - Short
21F715-5	Centerless Ground Roundstock Joining Pin Mandrel
21F715-7	Centerless Ground Roundstock - Stiffening Tube Mandrel
21F715-9	Centerless Ground Roundstock - Mold Alignment Rod - Long
<b>21F745</b>	<b>"A" Side Endcone on Bond Fixture Assembly</b>
<b>21F746</b>	<b>Endcone Bond Fixture Assembly</b>
21F747	Bottom Graphite Plate
21F748	Top Graphite Plate
21F749	Vertex Inner Plate Clamp
<b>21F750</b>	<b>Panel in Bond Fixture Assembly</b>
21F751	Bond Fixture Baseplate
21F752	Bond Fixture Coverplate
21F753	Bond Fixture Cavity Plate - Top
21F754	Bond Fixture Cavity Plate - Bottom
21F755-1	Bond Fixture Cavity Plate - Right Side
21F755-2	Bond Fixture Cavity Plate - Left Side
21F756-1	Temporary Bond Insert #1
21F756-3	Temporary Bond Insert #2
<b>21F759</b>	<b>Corner Vertex Plate Mold Assembly</b>
21F760	Vertex plate Mold Baseplate
21F761	Vertex plate Mold Press Plate
21F762	Vertex plate Mold Side Plate
21F763	Vertex plate Mold End Plate
<b>21F775</b>	<b>End Stiffener Bond Fixture Assembly</b>
21F776	End Stiffener Bond Fixture Plate
21F777	End Stiffener Bond Fixture Clamps
21F778	End Stiffener Bond Fixture Caul Plate
21F779	End Stiffener Bond Honeycomb Alignment Plate