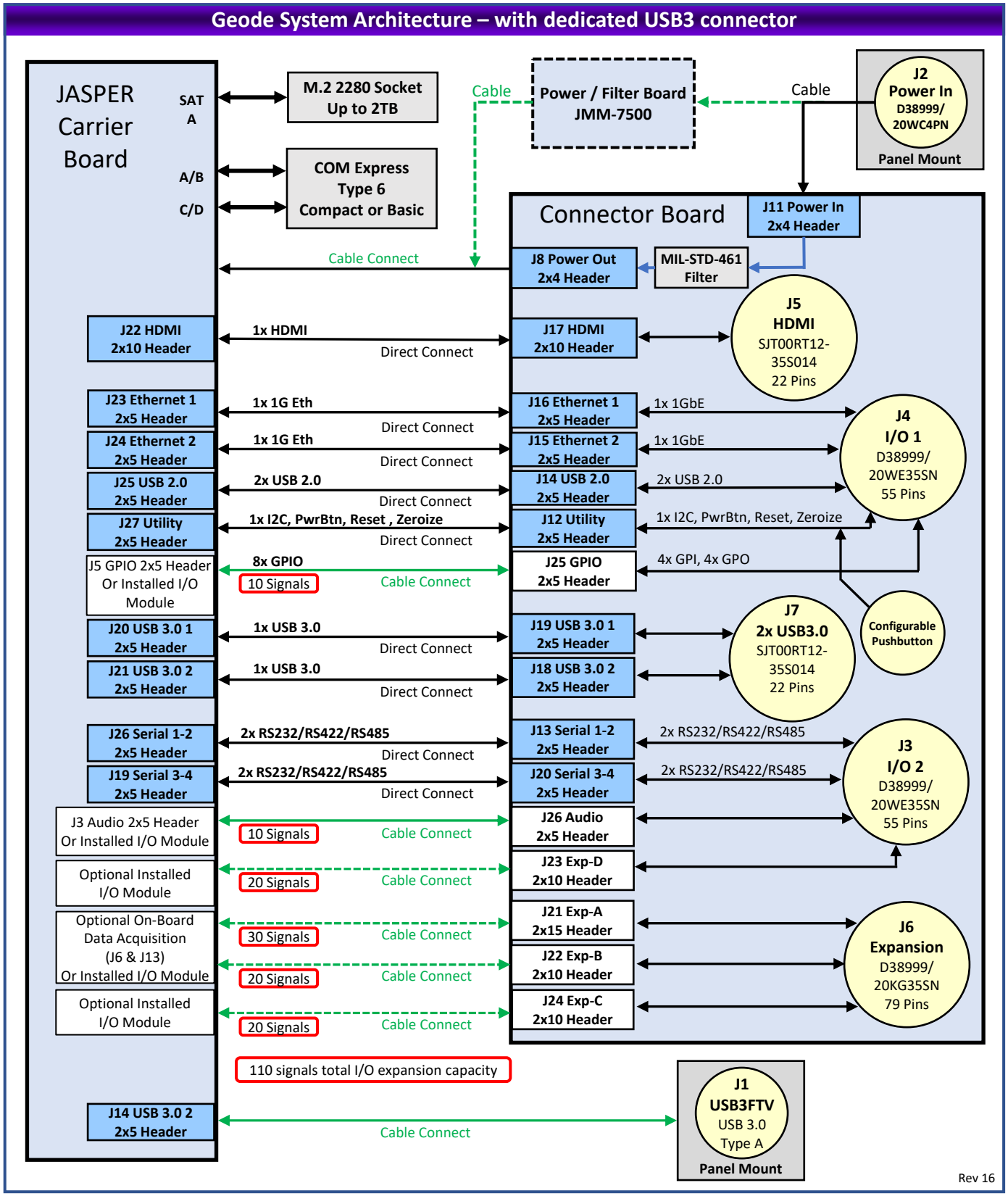
Geode System Architecture – with dedicated USB3 connector
JASPER Carrier Board
SAT A
A/B
C/D
M.2 2280 Socket Up to 2TB
COM Express Type 6 Compact or Basic
Cable
Power / Filter Board JMM-7500
Cable
J2 Power In D38999/ 20WC4PN
Panel Mount
Connector Board
J11 Power In 2x4 Header
Cable Connect
J8 Power Out 2x4 Header
MIL-STD-461 Filter
J22 HDMI 2x10 Header
1x HDMI
Direct Connect
J17 HDMI 2x10 Header
J5 HDMI SJT00RT12-35S014 22 Pins
J23 Ethernet 1 2x5 Header
1x 1G Eth
Direct Connect
J16 Ethernet 1 2x5 Header
1x 1GbE
J24 Ethernet 2 2x5 Header
1x 1G Eth
Direct Connect
J15 Ethernet 2 2x5 Header
1x 1GbE
J4 I/O 1 D38999/ 20WE35SN 55 Pins
J25 USB 2.0 2x5 Header
2x USB 2.0
Direct Connect
J14 USB 2.0 2x5 Header
2x USB 2.0
J27 Utility 2x5 Header
1x I2C, PwrBtn, Reset , Zeroize
Direct Connect
J12 Utility 2x5 Header
1x I2C, PwrBtn, Reset, Zeroize
J5 GPIO 2x5 Header Or Installed I/O Module
8x GPIO
10 Signals
Cable Connect
J25 GPIO 2x5 Header
4x GPI, 4x GPO
Configurable Pushbutton
J20 USB 3.0 1 2x5 Header
1x USB 3.0
Direct Connect
J19 USB 3.0 1 2x5 Header
J7 2x USB3.0 SJT00RT12-35S014 22 Pins
J21 USB 3.0 2 2x5 Header
1x USB 3.0
Direct Connect
J18 USB 3.0 2 2x5 Header
J26 Serial 1-2 2x5 Header
2x RS232/RS422/RS485
Direct Connect
J13 Serial 1-2 2x5 Header
2x RS232/RS422/RS485
J3 I/O 2 D38999/ 20WE35SN 55 Pins
J19 Serial 3-4 2x5 Header
2x RS232/RS422/RS485
Direct Connect
J20 Serial 3-4 2x5 Header
2x RS232/RS422/RS485
J3 Audio 2x5 Header Or Installed I/O Module
10 Signals
Cable Connect
J26 Audio 2x5 Header
Optional Installed I/O Module
20 Signals
Cable Connect
J23 Exp-D 2x10 Header
Optional On-Board Data Acquisition (J6 & J13) Or Installed I/O Module
30 Signals
Cable Connect
J21 Exp-A 2x15 Header
J6 Expansion D38999/ 20KG35SN 79 Pins
20 Signals
Cable Connect
J22 Exp-B 2x10 Header
Optional Installed I/O Module
20 Signals
Cable Connect
J24 Exp-C 2x10 Header
110 signals total I/O expansion capacity
J14 USB 3.0 2 2x5 Header
Cable Connect
J1 USB3FTV USB 3.0 Type A
Panel Mount
Rev 16