Power Supply
+15VDC @ 10A

6 Axis
Motor
Controller
Board
BC6D25

D-37
Connector
J1

Fan

AC
Power
Input
Module

3-Stage
Line
Filter

Power Supply
24 VDC
@ 2A

Solid-State
Relay

D-25
Connector
J2

USB
Bulkhead
Hub

Temperature
Controller
CN8DPt-224

USB to
RS-232

Power Supply
+5 VDC @ 1A

Power Supply
+24 VDC @ 2A

16pin
Conn

Nano-Positioning
Stage (DOF-5)

Interface
Board
Moondance

Drive &
Interface

D15
Conn

SMA
Conn
Polygon
Index

Precision
High-speed
Comparator

Ampmodu
MTE

D15m
Conn
Ctrl
Status

USB-DIO24
Digital I/O

Motor
Interface
Board

D-50
Connector

Home — M — Roll

Home — M — Pitch

Home — M — Yaw

Home — M — X

Home — M — Y

Heater

Cartridge
Heater
Assy

Thermistor

Air Cylinder
Limit Sensors

Solenoid
valve for
cover lifter

Solenoid drive

Cylinder Limit 1

Cylinder Limit 2

Cartridge
Present
Sensor

Cartridge Present

Polygon Index

To Troy

Genturi Scanner Alpha
Subsystem Emppu
Rev 1.80

Eric J. Schultz 12/04/2019