

MPSTCU Specs:
 IP 54 Rated Case
 -60°C up to 125°C
 rated*
 MIL-STD-810G Cat. 24
 Shock and
 Vibration tested

A single cable supplies
 the MPS4264TCU with
 MPS power, heater
 power, trigger, and
 Ethernet
 communications- limiting
 the number of cables
 required to run through
 the aircraft

155025-1
 MPSTCU Extension Cable
 17 contact M12 series
 connector
 High Temperature and
 fire resistant cable
 Can be ordered in
 any length up to 150'

A single pneumatic
 connector provides
 all measurement and
 infrastructure plumbing

MPSTCU Breakout
 Cable
 17 contact M12
 series connector to
 flying leads for customer
 integration.
 This cable is provided
 as a standard accessory
 with each MPS4264TCU.

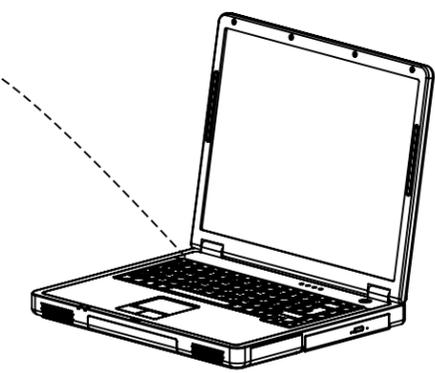
Non-pressurized section:
 Wing, Engine, Air Frame, etc.↑

Aircraft Cabin: ↓

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	DRAWING UPDATE	11-5-21	AJA

Each MPS4264TCU houses a MPS4264
 pressure scanner typically located outside
 the aircraft cabin.
 MPS4264TCUs can be added and removed
 based on application requirements. The number
 of MPS4264TCUs used during testing is only limited
 by the user's power and network capacity.

*MPSTCU available in 3 versions
 -1: Heater and Cooling kit
 -2: Heater only
 -3: No heater or cooling kit



Host Computer
 or Network Attached Storage
 device (NAS)

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 TWO PLACE DECIMAL ± .015
 THREE PLACE DECIMAL ± .005
 SHEETMETAL PARTS ± .010
 BEND RADIUS .06 MAX
 ANGULARITY ± 1.5*

	DATE	NAME
DRAWN	3-2-18	AJA
CHECKED	3-2-18	RAP
ENGINEER	3-2-18	AJA

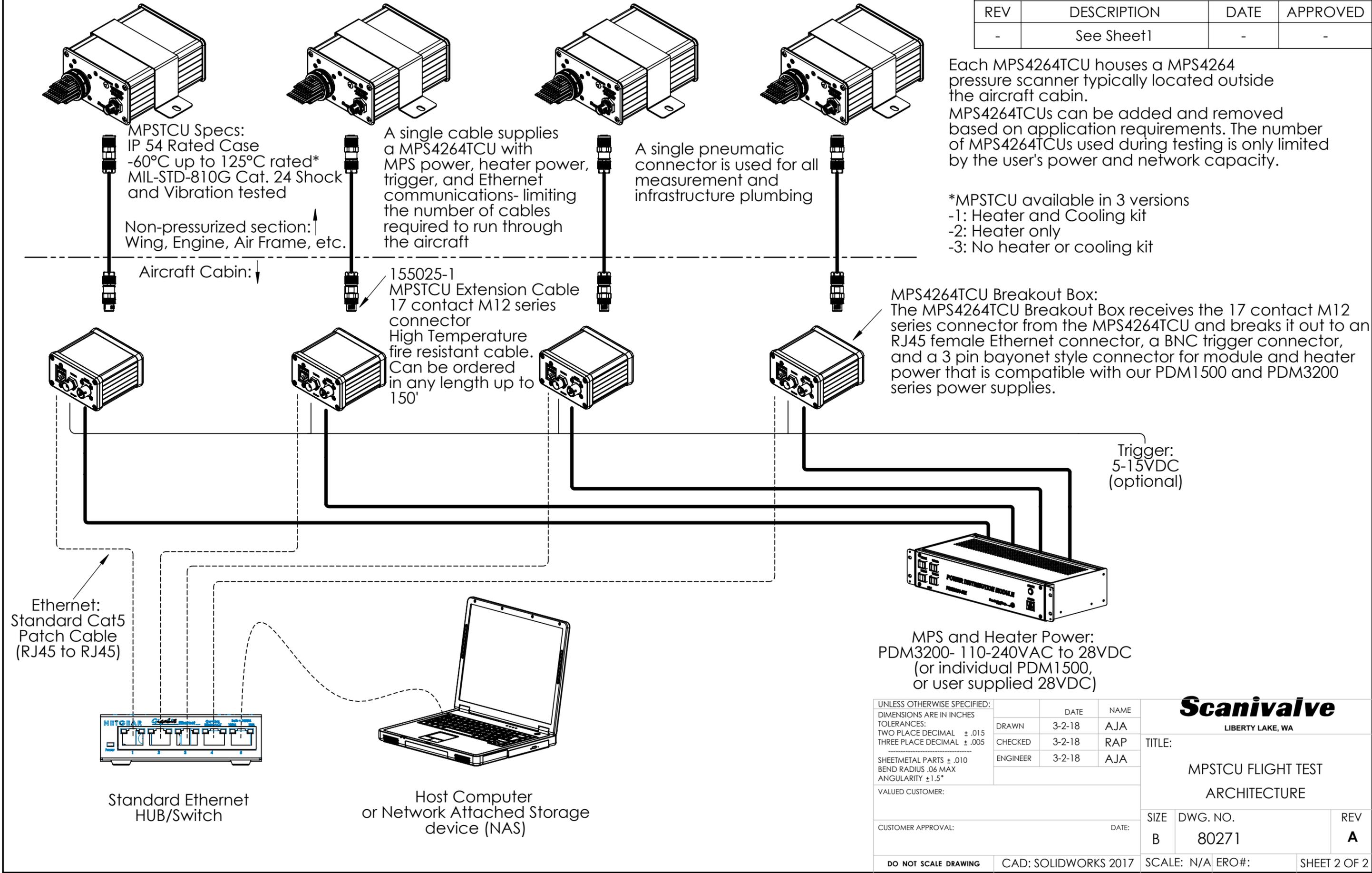
Scanivalve LIBERTY LAKE, WA		
TITLE: MPSTCU FLIGHT TEST ARCHITECTURE		
SIZE B	DWG. NO. 80271	REV A
DO NOT SCALE DRAWING		CAD: SOLIDWORKS 2017
SCALE: N/A		ERO#: SHEET 1 OF 2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	See Sheet1	-	-

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MPS4264TCU Breakout Box:
 The MPS4264TCU Breakout Box receives the 17 contact M12 series connector from the MPS4264TCU and breaks it out to an RJ45 female Ethernet connector, a BNC trigger connector, and a 3 pin bayonet style connector for module and heater power that is compatible with our PDM1500 and PDM3200 series power supplies.



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 High Temperature
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 150'

Trigger:
 5-15VDC
 (optional)

Ethernet:
 Standard Cat5
 Patch Cable
 (RJ45 to RJ45)

Standard Ethernet
 HUB/Switch

Host Computer
 or Network Attached Storage
 device (NAS)

MPS and Heater Power:
 PDM3200- 110-240VAC to 28VDC
 (or individual PDM1500,
 or user supplied 28VDC)

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: TWO PLACE DECIMAL ± .015 THREE PLACE DECIMAL ± .005			
DRAWN	DATE	NAME	
CHECKED	3-2-18	AJA	
ENGINEER	3-2-18	AJA	
SHEETMETAL PARTS ± .010 BEND RADIUS .06 MAX ANGULARITY ±1.5*			
VALUED CUSTOMER:			

Scanivalve
 LIBERTY LAKE, WA

TITLE: MPSTCU FLIGHT TEST ARCHITECTURE		
SIZE	DWG. NO.	REV
B	80271	A
CUSTOMER APPROVAL:		DATE:
DO NOT SCALE DRAWING		CAD: SOLIDWORKS 2017
SCALE: N/A		ERO#: SHEET 2 OF 2