

KSC  
SILVER

MIT/IL  
Apollo Guidance and Navigation  
System Test Group Memo No. 1280

To: Distribution  
From: Robert Lones  
Date: 17 December 1968  
Subject: C/M G&N Schematic List

Miscellaneous

G&N Indicator Control Panel	2021290
Header wiring	See interconnect list
Sextant schematic	2012391
IMU Wiring Diagram	2021398

Signal Conditioner (Operational)

+120v Pipa Supply Module	2010128
IRIG and PIPA Module	2010122
Gimbal Resolver Module	2010120
DAC, PIPA Temp and 2.5v Bias Module	2010124

PSA

DC Diff Amp and PVR	2010029
Gyro Calibration	2010020
Binary Current Switch	2010017
Pulse Torque Power Supply	2010087
Gimbal Servo Amp.	2010791
Relay Module	2010025
IMU Auxiliary Module	2010082
3200 HZ 1% Amp	2010006
3200 HZ AAC and Multivibrator	2010081
800 HZ 5% Amp	2010007
800 HZ 1% Amp	2010008
800 HZ AAC and Multivibrator	2010009
IMU Load Compensation	2010076
+28v Filter Module	2010078
2 Speed Switch	2010023
Optics Auto Operator Relay	2010026
SCT Moding	2010027
SXT and SCT Motor Drive Amp	2010021
Mod and Loop Compensation	
Optics Load Compensation	2010001
-28v Power Supply	2010003

PIPA Electronics Ass'y

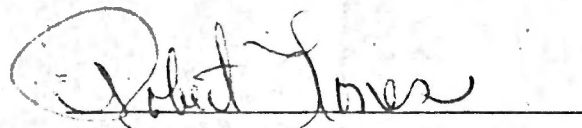
PIPA Calibration	2010016
Binary Current Switch	2010017
AC Diff Amp and Interrogator	2010018
DC Diff Amp and PVR	2010029

CDU

Coarse System Electronics	2010030
D/A Converter	2010028
Summing Amp and Quad. Rejection	2010058
Quadrant Selector	2010059
Power Supply	2010062
CDU Header Connector	2010073
Interrogate Module	2010080
Mode Module	2010084
Error Angle Counter and Logic Module	2010093
Read Module	2010094
Logic Flow Diagram Digital Mode Module	2010095

Loop Diagrams

28v, 800 HZ IMU Power Dist.	2015573
Display Circuit Schem	2015579
Pulse Torque Power Supply Out. Dist.	2015574
2w Mech-PIPA Loops	2015563
0v DC IMU Dist.	2015572
+28v Optics Operate Dist.	2015576
28v, 800 HZ Optics Power Dist.	2015578
2w Mech-Stabilization Loops	2015564
IMU CDU One Line Mech	2015568
Functional Diag. -Optics Subsystem	2015500
+28v Standby Power Dist.	2015571
0v DC Optics Dist.	2015577
+28v IMU Operate Power Dist.	2015570
Optics Zero Mode	2015502
Optics Shaft Manual Mode	2015503
Optics Trunnion Manual Mode	2015504
Optics Resolved Mode	2015505
2 Wire Mech-IMU C/M Temp. Control	2001465
2 Wire Mech Optics Trunnion and Shaft CDU	2015567
2 Wire Mech CSM 5-Axis Moding	2015562
IMU-CDU One Line Mech	2015568
Optical Subsystem Power Dist	2015507



Robert Lones  
System Test Group

RL:mc  
Distribution:  
See Page 3.