

GLV System Current Consumption

Description	Supplier	Supplier P/N	Supply (V)	Quantity	Peak Current/unit (A)	Quiescent Current/unit (A)	TPC (A)	TQC (A)
IC MONITOR PWR/CURR BIDIR 10MSOP (Current Monitor)	Texas Instruments	INA226AI DGSR	24.0	1	0.000	0.000	0.000	0.000
10 DOF IMU Sensor (C), Inertial Measurement Unit, Lower Power Consumption (Temperature Monitor and Accelerometer IMU)	Waveshare	10 DOF IMU Sensor ©	5.0	1	0.004	0.004	0.004	0.004
OPTOISO 3.75KV 2CH DARLING 8DIP (Optoisolators)	Digikey	CLA186-ND	24.0	3	0.005	0.005	0.015	0.015
SN74AHC1G86DBVR	Texas Instruments	SN74AHC1G86D	24.0	1	0.000	0.000	0.000	0.000
IC REG LINEAR 5V 100MA 8SO (Non-Isolated DC-DC Converter)	Analog Devices Inc.	L78L05A CD13TR	24.0	1	0.006	0.006	0.006	0.006
DC DC CONVERTER 5V 20W (Isolated DC-DC Converter)	CUI Inc.	PYB20-Q24-S5	24.0	1	0.001	0.001	0.001	0.001
Digital Display Multimeter			24.0	1			0.000	0.000
GLV BOB RELAY GEN PURPOSE SPDT 16A 24V	Omron Electronics Inc.	G5LE-1-EDC24	24.0	3	0.017	0.017	0.050	0.050

Rectangular LED Lights Amber/SSOK	Super Bright LED's	MDB- A12	24.0	2	0.090	0.090	0.180	0.180
Accumulator Isolation Relays			24.0	4	1.600	0.390	6.400	1.560
Cockpit Dashboard LED Lights (Safety Loop Status Lights)	Dialight	350- 2104-ND	24.0	4	0.015	0.015	0.060	0.060
TSI			24.0	1			0.000	0.000
TSV			24.0	1			0.000	0.000
Cooling			24.0	1			0.000	0.000
SCADA			24.0	1			0.000	0.000
							<b>6.716</b>	<b>1.876</b>

Safety Loop Current Consumption

Description	Supplier	Supplier P/N	Supply (V)	Quantity	Peak Current/unit (A)	Quiescent Current/unit (A)	TPC (A)	TQC (A)
Digital Display Multimeter	Bayite	PZEN-31	24.0	1	0.000	0.000	0.000	0.000
Rectangular LED Lights Amber/SSOK	Super Bright LED's	MDB-A12	24.0	2	0.090	0.090	0.180	0.180
GLV BOB RELAY GEN PURPOSE SPDT 16A 24V	Omron Electronics Inc.	G5LE-1-E DC24	24.0	3	0.017	0.017	0.050	0.050
Cockpit Dashboard LED Lights (Safety Loop Status Lights)	Dialight	350-2104-ND	24.0	4	0.015	0.015	0.060	0.060
Accumulator Isolation Relays	Gigavac	GX14CB	24.0	4	1.600	0.390	6.400	1.560
Discharge Relay	Digikey	Z1032-ND	24.0	1	0.083	0.083	0.083	0.083
							<b>6.773</b>	<b>1.933</b>