

MATeF Backup GPS Assembly Manual

Checklist

| Mission | Date |
|---------|------|
| | |

| Integration Engineer(s) | Supervisor(s) |
|-------------------------|---------------|
| | |
| | |

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1 Bill of Material

| Qty | Part | |
|-------|---|----------------|
| 1 | Assembled Camera Module | |
| | 1 | Internal Frame |
| | 1 | Camera Module |
| 1 | Preformatted SD Card | |
| 1 | Battery Holder | |
| 3 | AA Battery | |
| 1 | TOP Insulation Shell (w/ control buttons) | |
| 1 | Bottom Insulation Shell | |
| 1roll | Kapton Tape | |
| 1roll | Duct Tape | |
| 2 | Zip-tie | |

2 Integration

Battery and SD Card

| | | |
|------------|--|--|
| 2.1 | Insert preformatted SD Card into camera | |
| 2.2 | Add AA batteries to battery holder | |
| 2.3 | Secure batteries with duct tape | |
| 2.4 | Attach battery holder to the back of the camera assembly | |
| 2.5 | Fasten zip-ties | |

BOTTOM Insulation Shell

| | | |
|-------------|---|--|
| 2.6 | Lead bottom kite line through hole 1 | |
| 2.7 | Place camera assembly to insulation shell Controller connector cables should be lead over the separator! | |
| 2.8 | Connect controller connectors to camera assembly 1. LED 2. OK/Shutter 3. ON/OFF/Menu | |
| 2.9 | Connect Battery Cable to camera assembly | |
| 2.10 | Secure cable connectors with kapton tape | |
| 2.11 | Arrange cables using the cable holders on separators | |

TOP Insulation Shell

| | | |
|-------------|--|--|
| 2.12 | Lead top kite line through hole 2 | |
| 2.13 | Place TOP insulation shell on BOTTOM shell | |

Sealing

| | | |
|-------------|--|--|
| 2.14 | Use duct tape to seal the connection between insulation shells | |
| 2.15 | Use duct tape diagonally to secure the insulation shells | |

[illegible]