

Best Practice for Cleaning MIL ST and MIL PRF 29504/14 Terminus For MIL PRF 28876 to MIL ST optical assemblies

| Part Number | Description |
|---------------|--|
| SCK-SS-M-200A | SMART CLEANER MINI 2.0mm Endface Cleaner |
| SCK-SS-M-250S | SMART CLEANER MINI 2.5mm Endface Cleaner |
| AFT-G-FC | SMART CHECKER VFL |



SENKO SMART CLEANER MINI 2.0mm Endface Cleaner

- Cleans MIL PRF 29504/14 (pin) and /15 (socket)
- Cleaning SMPTE 304M plug & jack



SENKO SMART CLEANER MINI 2.5mm Endface Cleaner

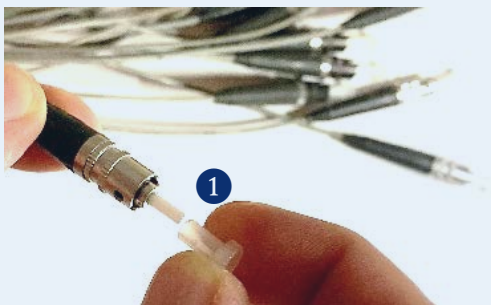
- Cleans SC, ST, FC, E2000, OptiTap-HFOC
- Cleaning MIL DTL 83526 with MIL PRF 29504/16 terminus



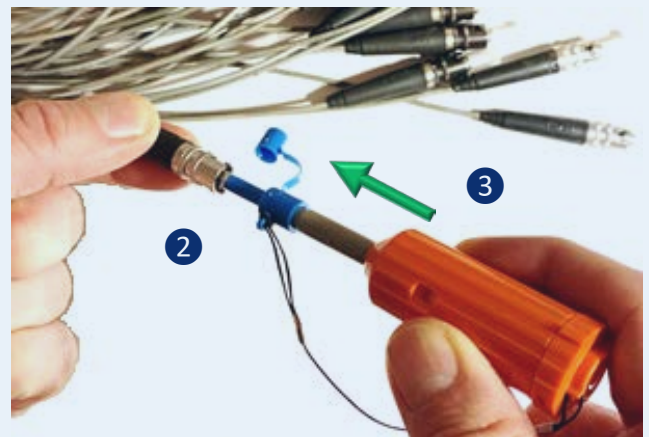
SENKO SMART CHECKER VFL

- 2.5mm port with pulse and continuous wave
- Use for checking polarity and signal continuity

3 Step Process For Cleaning Unmated MIL ST Connectors Using SMART CLEANER MINI 2.5mm



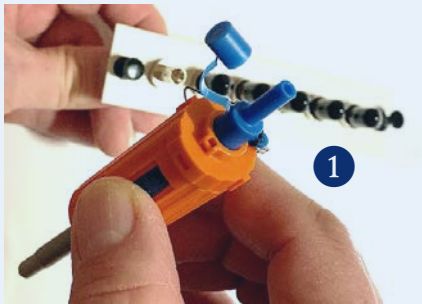
- 1 Remove the protective endcap just before you are ready to mate the connector



- 2 Open the cover on the blue endcap and insert the ST ferrule

- 3 Push the cleaner 1X until it bottoms out for cleaning the endface

3 Step Process For Cleaning MIL ST Connectors In Adapter Using SMART CLEANER MINI 2.5mm



- 1 Place the blue endcap in hole in the handle
- 2 Insert the cleaning tip into the port of the MIL ST adapter
- 3 Push the cleaner 1X until it bottoms out for cleaning the endface

3 Step Process For Cleaning MIL PRF 29504/14 Terminus Using SMART CLEANER MINI 2.0mm



- 1 Make an orientation mark on the outer connector housing.

There are 31 termini in the connector. The orientation mark will help you keep track of which termini have been cleaned. Do not mark the collar because it rotates.



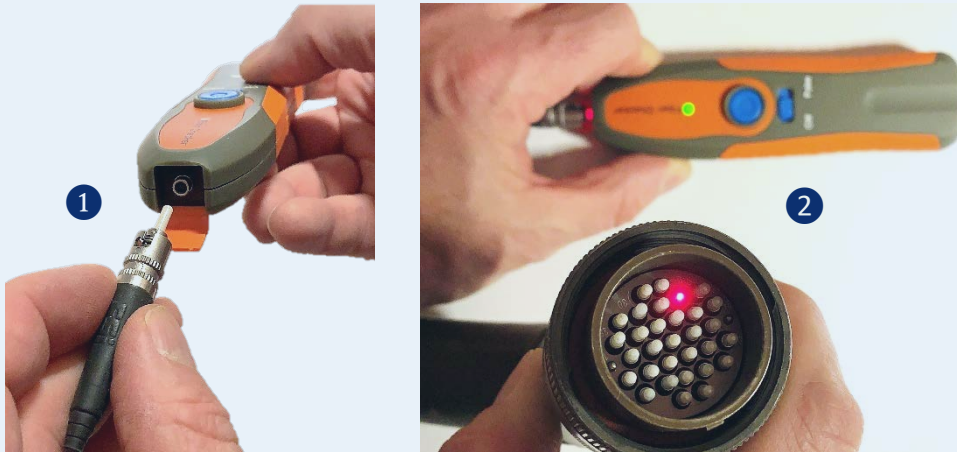
- 2 Open the cover on the red endcap and insert the cleaner onto the first ferrule.

Cleaning the termini in rows will help you keep track of which termini have been cleaned.



- 3 Push the cleaner 1X until it bottoms out for cleaning the endface

Process For Checking Signal Continuity and Managing Polarity Using SMART CHECKER VFL



- ① Open the cover of the SMART CHECKER VFL
- ② Insert MIL ST into the SMART CHECKER VFL and push the blue button

Note: Try to avoid staring directly at the red light.

MAP OF MIL PRF 29504/14 Termini in the MIL PRF 28876

| | FIBER POSITION | | | | | |
|-------|----------------|--------|--------|--------|--------|--------|
| ROW 1 | | | 2 | 1 | | |
| ROW 2 | 7 | 6 | 5 | 4 | 3 | |
| ROW 3 | 1 3 | 1 2 | 1 1 | 1 0 | 9 | 8 |
| ROW 4 | 1 8 | 1 7 | 1 6 | 1 5 | 1 4 | |
| ROW 5 | 2 4 | 2 3 | 2 2 | 2 1 | 2 0 | 1 9 |
| ROW 6 | 2 9 | 2 8 | 2 7 | 2 6 | 2 5 | |
| ROW 7 | | | 3 1 | 3 0 | | |