Coding Keys

APPLICATION

For those IEEE 1101.10 applications with keying requirements, but do not have front panels. IEEE 1101.10 specifications provides a method for keying slots using programming keys inserted into the front panel assembly and card guide.

Conduction Cooled Modules used in military and ruggedized systems do not use this front panel system. VITA 1.6 standard provides a method of keying for these types of systems.

FEATURES
- Complies with ANSI VITA 1.6 Standard
- Gold or Clear Chem Film aluminum bracket
- 6 configurations per coding bracket set
- 36 configurations in a 6U conduction cooled application
- Up to 1296 Keying combinations in a 6U non-conduction cooled application
- Complimentary mounting hardware included

MATERIALS AND FINISH

CODE KEY BRACKETS
Material:
Aluminum Alloy 6061-T6 QQ-A-200/8
Finish:
Mil-C Class 1A, Type 1, Gold or Mil-DTL-5541 Class 3, Type II, Clear
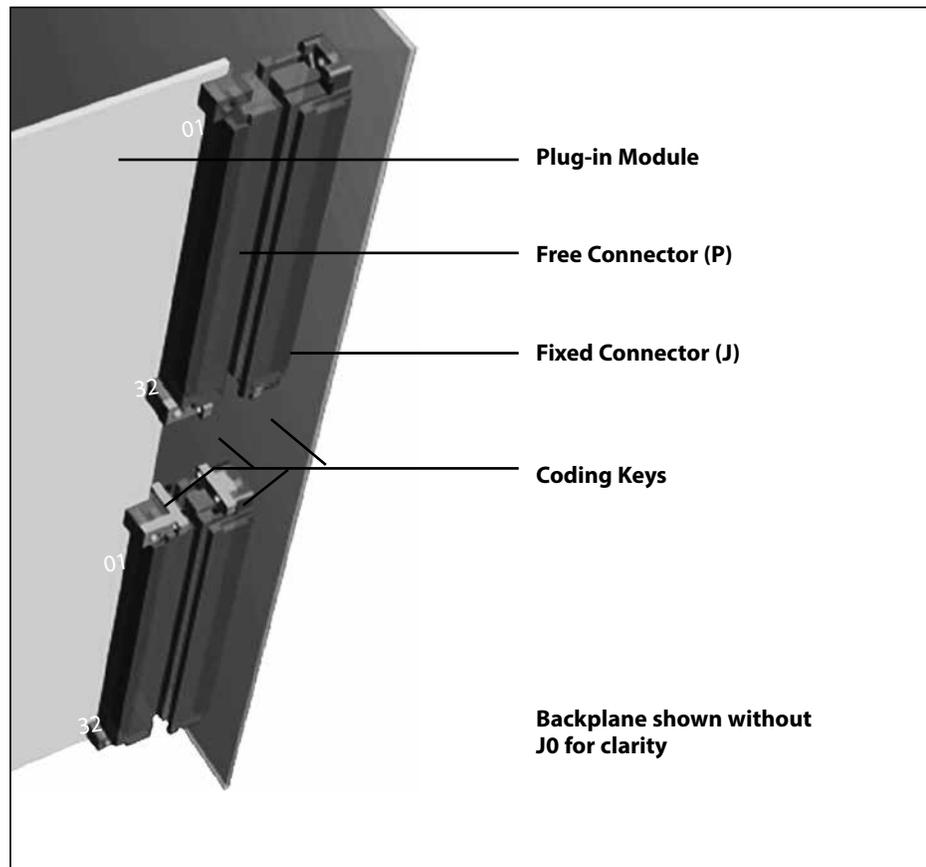
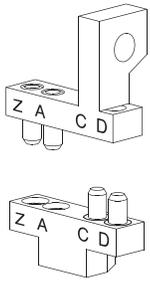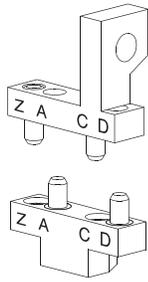### CODE KEY PINS
Material:
Austenitic Stainless Steel
Finish:
None

WEIGHT

100 pcs. = 0.32 lbs.

Plug-in Module

Free Connector (P)

Fixed Connector (J)

Coding Keys

Backplane shown without J0 for clarity
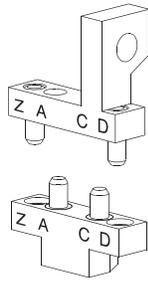
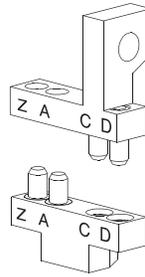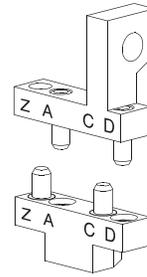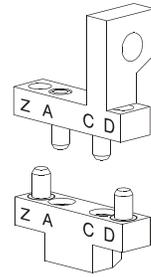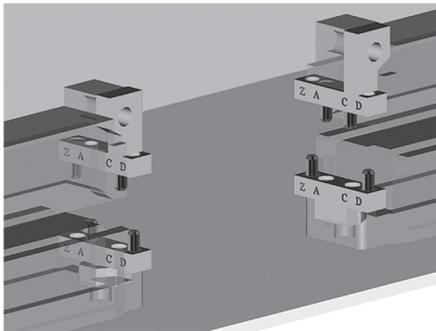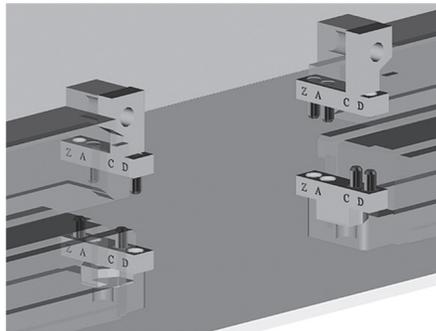| CD key pair | AD key pair | AC key pair | ZA key pair | ZC key pair | ZD key pair |

The drawings above are representative of the J32 and P32 configurations. J01 and P01 are mirror images.
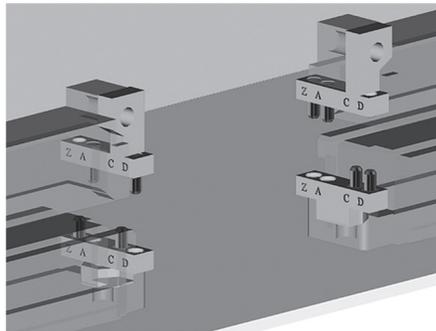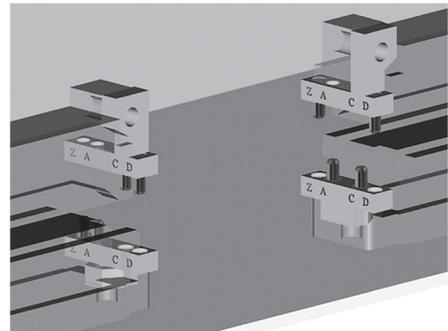
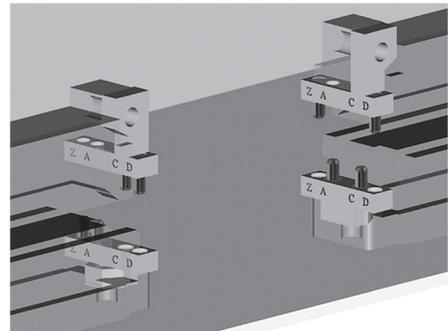## Samples of coding key usage

| **CCKP01-AD** mates with **CCKJ01-AD** | **CCKP32-ZD** mates with **CCKJ32-ZD** | **CCKP01-ZC** mates with **CCKJ01-ZC** | **CCKP32-CD** mates with **CCKJ32-CD** | **CCKP01-ZA** mates with **CCKJ01-ZA** | **CCKP32-AC** mates with **CCKJ32-AC** |
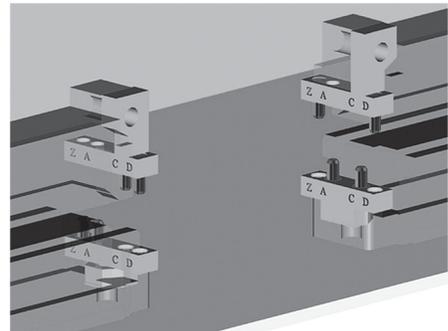
Part Number Code
Conduction Cooled Keying

```
                                    CCK    X    X  -  X  -  X  -  X
```

Board or Backplane
Free Connector: _____ **P**
Fixed Connector: _____ **J**

Connector End
01_____ **01**
32_____ **32**

Keying Configuration
ZA _____ **ZA**
ZC _____ **ZC**
ZD _____ **ZD**
AC _____ **AC**
AD _____ **AD**
CD _____ **CD**

Thread Type
Metric 2.5mm x .45 thread: _____ **[blank]**
Imperial 2-56 thread: _____ **1**
Imperial 2-56 locking helicoil: _____ **2**
Metric 2.5mm x .45 locking helicoil: _____ **3**

Finish Type
Chem Film Gold _____ **[blank]**
Chem Film Clear _____ **CC**

Also available in Kit Form (see contents example below)

```
                                    CCK-KIT    -X   -X
```

Keying Configuration
ZA _____ **ZA**
ZC _____ **ZC**
ZD _____ **ZD**
AC _____ **AC**
AD _____ **AD**
CD _____ **CD**

Thread Type
Metric 2.5mm x .45 thread: _____ **[Blank]**
Imperial 2-56 thread:_____ **-1**
Imperial 2-56 locking helicoil: _____ **-2**
Metric 2.5mm x .45 locking helicoil:_____ **-3**

Example of Kit Contents:

CCK-KIT-ZA

Qty	Item
1	CCKP01-ZA
1	CCKJ01-ZA
1	CCKP32-ZA
1	CCKJ32-ZA
4	Complimentary Mounting Screws
4	Washers