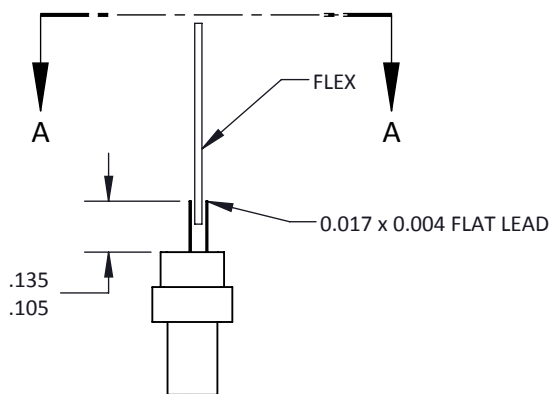
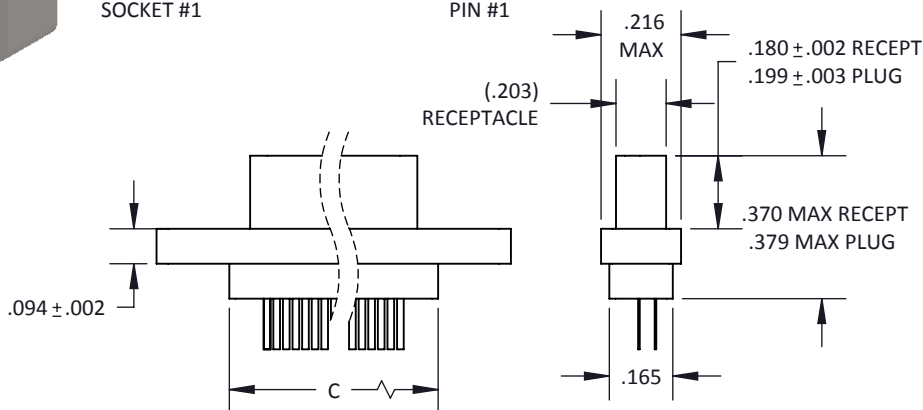
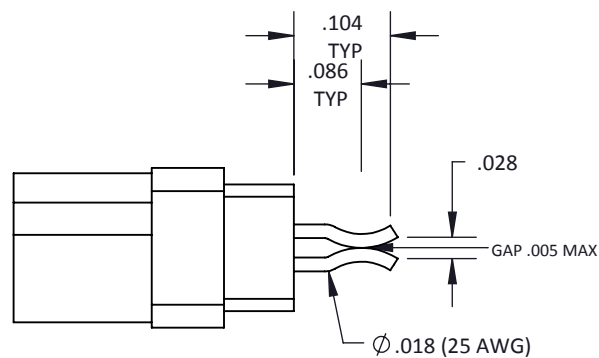


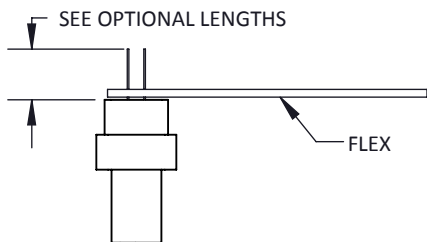
SECTION A-A



IN-LINE SURFACE MOUNT  
(A DOUBLE SIDED FLEX)



EXTENDER CARD



RIGHT ANGLE THRU HOLE MOUNT  
(ENCAPSULATE AT A RIGHT ANGLE TO CONNECTOR)

**TERMINATION OPTIONS**

NO. OF CONTACTS	A MAX	B BSC	C MAX
9	.785	.565	.400
15	.935	.715	.550
21	1.085	.865	.700
25	1.185	.965	.800
31	1.335	1.115	.950
37	1.485	1.265	1.100

TOLERANCE: .XXX ± .005  
.XX ± .01  
ANGLE ± 1°

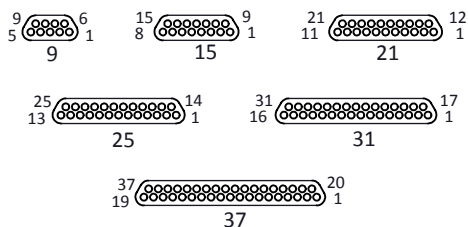
TITLE  
**MICRO-D HYBRID SHELL  
FLEX CIRCUIT TERMINATION**

SHT 1 OF 3

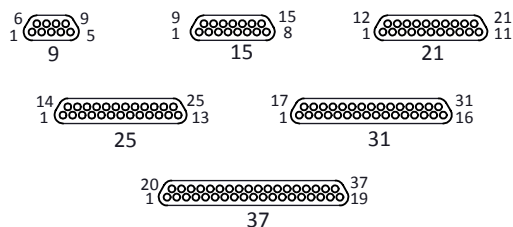
DWG. NO.  
**HFX**

REV  
**C**

PLUG MATING FACE



RECEPTACLE MATING FACE



HFXX - X - X X X

CRISTEK FLEX TERMINATION  
MICRO-D CONNECTORS  
(MATE WITH M83513)

NUMBER OF CONTACTS  
009 025 051  
015 031  
021 037

GENDER  
P = PLUG, PIN CONTACTS  
S = RECEPTACLE, SOCKET CONTACTS

HARDWARE  
0 = NONE  
FACTORY INSTALLED (NON-REMOVABLE)  
F = FLOAT MOUNT  
J = HIGH PROFILE HEX DRIVE JACKSCREW  
K = HIGH PROFILE SLOTTED JACKSCREW  
L = LOW PROFILE HEX DRIVE JACKSCREW \*  
T = THREADED INSERT (METAL ONLY)  
M83513 HARDWARE - FACTORY INSTALLED  
2 = LOW PROFILE HEX DRIVE JACKSCREW \*  
3 = HIGH PROFILE HEX DRIVE JACKSCREW  
5 = LOW PROFILE SLOTTED JACKSCREW \*  
6 = HIGH PROFILE SLOTTED JACKSCREW  
7 = JACKPOST KIT \*

TERMINATION  
IN-LINE SURFACE MOUNT (PLUG ONLY)  
(.017 x .004 FLAT LEAD, PRE-SOLDER DIPPED)  
1 = .105 - .135 INCH  
RIGHT-ANGLE THRU HOLE MOUNT (PLUG OR RECEPTACLE)  
(26 AWG SOLID PRE-SOLDER DIPPED)  
2 = 0.06 INCH  
3 = 0.09 INCH  
4 = 0.12 INCH  
5 = EXTENDER CARD - 25 AWG

SHELL FINISH (METAL) OR MATERIAL (PLASTIC)  
A = CADMIUM  
B = NICKEL  
C = ANODIZE  
D = CHEM FILM  
E = BLACK CADMIUM  
G = GOLD  
P = PLASTIC

\* = MOST COMMONLY USED & STOCKED HARDWARE OPTIONS

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513  
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:  
METAL SHELL - ALUMINUM ALLOY  
METAL INSULATOR - GLASS FILLED THERMOPLASTIC  
PLASTIC SHELL / INSULATOR - GLASS FILLED THERMOPLASTIC  
PIN/SOCKET CONTACT - COPPER ALLOY

2. FINISH (METAL):  
SHELL - SEE OPTIONS ABOVE  
CONTACT - GOLD OVER NICKEL

3. SPECIFICATIONS:  
CURRENT RATING ----- 3 AMPS MAX  
TEMPERATURE RATING ----- -55° C TO +125° C  
INSULATION RESISTANCE ----- 5000 MEGOHMS MIN  
DWV AT SEA LEVEL ----- 600 VAC  
DWV AT 70,000 FT ALTITUDE - 150 VAC  
CONTACT RETENTION ----- 5 lb MINIMUM AXIAL LOAD  
ENGAGEMENT FORCE ----- 6 oz MAX  
SEPARATION FORCE ----- 0.5 oz MIN

4. ADDITIONAL INFORMATION:  
DESIGN AND PERFORMANCE IN  
GENERAL ACCORDANCE WITH  
M83513 WHERE APPLICABLE.  
FOR OTHER TERMINATIONS,  
CONTACT CRISTEK.

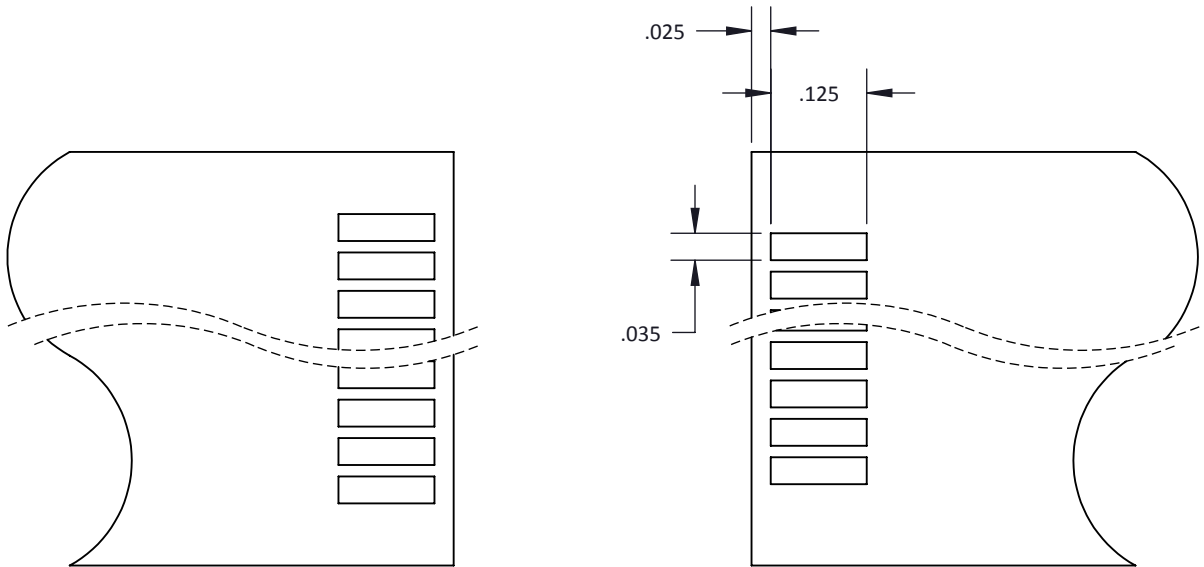
TOLERANCE: .XXX ±.005  
.XX ±.01  
ANGLE ±1°

TITLE  
MICRO-D HYBRID SHELL  
FLEX CIRCUIT TERMINATION

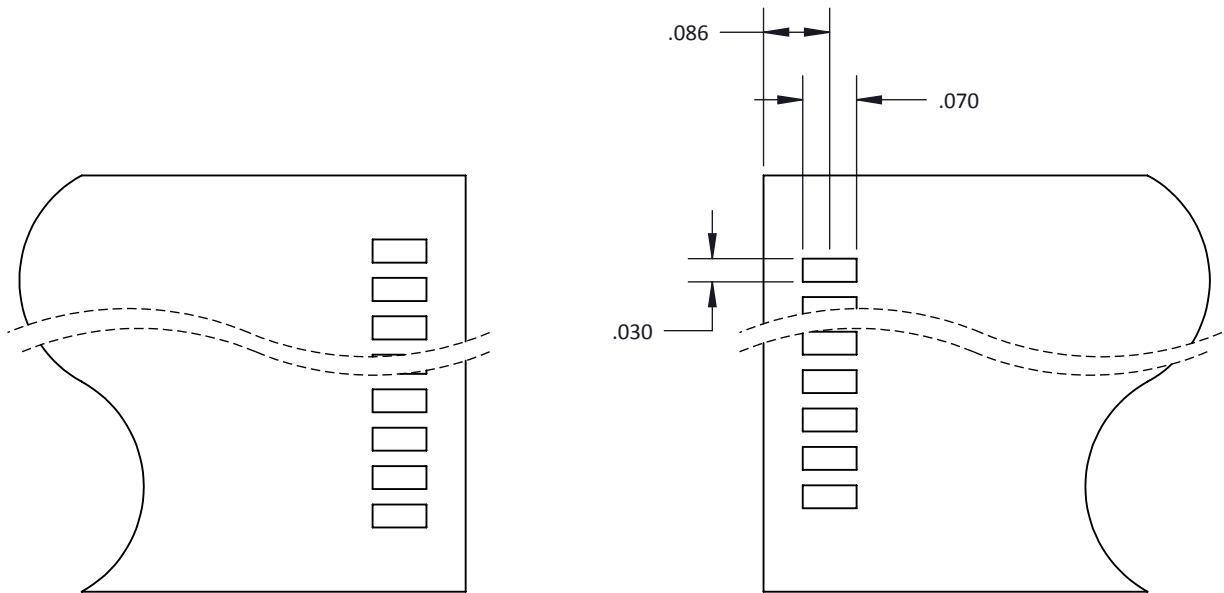
SHT 2 OF 3

DWG. NO.  
HFXX

REV  
C



IN-LINE SURFACE MOUNT  
PAD DIMENSIONS



EXTENDER CARD  
PAD DIMENSIONS

TOLERANCE: .XXX ±.005  
.XX ±.01  
ANGLE ±1°

TITLE  
MICRO-D HYBRID SHELL  
FLEX CIRCUIT TERMINATION

SHT 3 OF 3

DWG. NO.  
HFX

REV  
C