REVISION X

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES	TOLERANCES ARE:		TITLE:	DWG NO:
ONE PLACE DECIMALS ±.1 TWO PLACE DECIMALS ±.01	THREE PLACE DECIMALS ± .005 FOUR PLACE DECIMALS ± .0020	ANGLES ±1°	.100 C.L MOLD TO POS. DOUBLE ROW, MALE ASSEMBLY	HCMD-XX-X-XX.XX-XX-XXX-XXX SHEET 1 OF 2

−D (DOUBLE END)

FIGURE 1

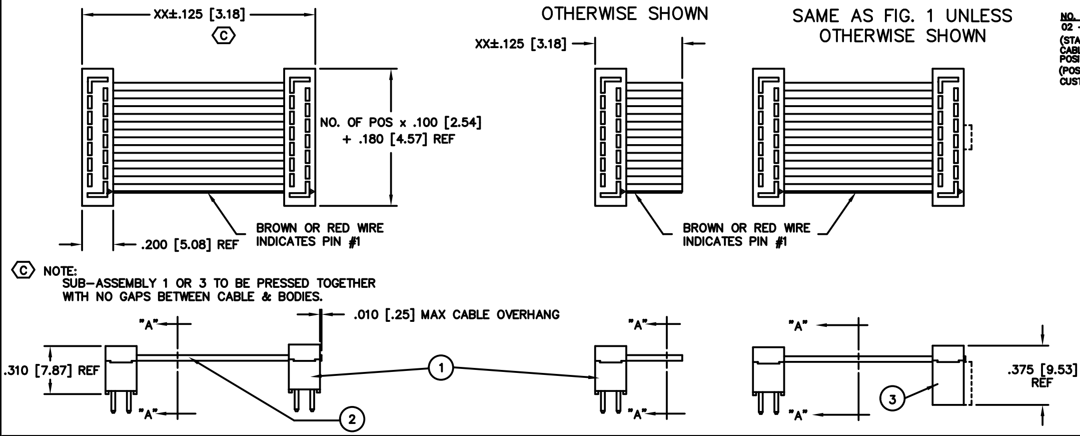
−S (SINGLE END)

SAME AS FIG. 1 UNLESS OTHERWISE SHOWN

−T (TRANSFER END)

SEE NOTE 3

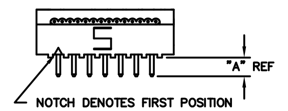
SAME AS FIG. 1 UNLESS OTHERWISE SHOWN



Ⓒ NOTE:
SUB-ASSEMBLY 1 OR 3 TO BE PRESSED TOGETHER WITH NO GAPS BETWEEN CABLE & BODIES.

HCMD-XX-X-XX.XX-XX-XXX-XXX

- **NO. OF POSITIONS PER ROW** 02 – 36 (STANDARD COLOR-CODED CABLE N/A FOR 32 AND 36 POSITIONS. SEE –G OPTION.) (POSITIONS 21-36: EXISTING CUSTOMERS ONLY)
- **END ASSEMBLY** –S: SINGLE END –D: DOUBLE END –T: TRANSFER END
- **ASSEMBLED LENGTH** (2 INCH MINIMUM)
- **LEAD STYLE** –01: (SEE TABLE 1) –02: (SEE TABLE 1)
- **OPTION # 1** (SEE OPTIONS BELOW AND SHT 2)
- **OPTION # 2** (SEE OPTIONS BELOW AND SHT 2)



SECT. "A–A"
(SEE NOTE 8)

PLATING

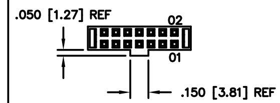
−T =.000150 BRIGHT ACID TIN ON ENTIRE CONTACT. (USED ONLY WITH FEMALE STRIP OF A –T END OPTION – USE HCSD-XX-01-TX.)

−S =.000010 Au. ON TAIL AREA WITH THE BALANCE OF .000150 BRIGHT ACID TIN – USE HCMD-XX-XX-S. (NOT TO BE USED WITH FEMALE STRIP OF A –T END OPTION.)

(STANDARD PLATING IS .000150 BRIGHT ACID TIN OVER ENTIRE TERMINAL – USE HCMD-XX-XX-T. FOR A –T OPTION, STANDARD PLATING FOR THE FEMALE END IS .000150 BRIGHT ACID TIN, EXCEPT CONTACT AREA IS .000010 Au. – USE HCSD-XX-01-SX.)

−N

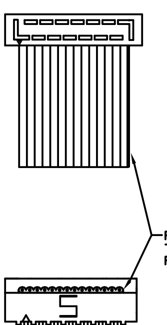
NOTCH POLARIZATION



AVAILABLE ONLY WITH TRANSFER END OPTION, ONLY THE SOCKET IS POLARIZED. USE HCSD-XX-01-N

−RW

REVERSE WIRING

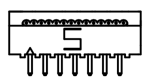


SECT. "A–A"

−G

GRAY CABLE

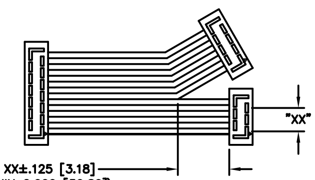
SUBSTITUTE GRAY CABLE FOR STANDARD COLOR CODED CABLE USE: CB-XX-28-7/36-050-G



NOTE:
USE GRAY CABLE FOR –32 AND –36 POSITIONS.

−B"XX"

BREAKOUT OPTION



"XX"= NO. OF POSITIONS PER ROW BROKEN OUT FROM THE FIRST POSITION

TABLE 1

LEAD STYLE	"A"	1	2	3 (–T END ONLY)
–01	.120 [3.05]	HCMD-XX-01-X	CB-XX-28-7/36-050-C	HCSD-XX-01-X
–02	.230 [5.84]	HCMD-XX-02-X	CB-XX-28-7/36-050-C	HCSD-XX-01-X

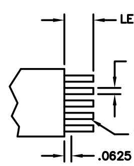
SPECIFY NO. OF POS. IN PART CALLOUT –XX

−ST"X"

STRIPPED & TINNED

"X"	LENGTH
8	.125 [3.18]
4	.250 [6.35]
3	.375 [9.53]
2	.500 [12.70]

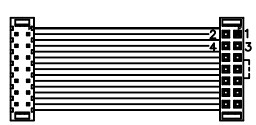
NOTE:
1a. CONDUCTORS SHALL BE CONSISTENT IN APPEARANCE. SOLDER MUST MAINTAIN CABLE STRANDS WITHIN THE MAX DIA. TOLERANCE.
2a. USE 60/40 TIN/LEAD SOLDER ONLY.
3a. NOT AVAILIBLE IN 28 POSITIONS AND UP.



−P"XX"

POLARIZED MATING

XX = POSITION NO.
INSERT POLARIZING KEY PART NO. PK-06-N INTO SPECIFIED POSITION –XX



NOTE:
OPTION ONLY AVAILABLE ON FEMALE END OF THE –T (TRANSFER END) OPTION.
THE POLARIZED POSITION WILL HAVE THE SAME ELECTRICAL POSITION FROM THE BROWN WIRE FIRST POSITION INDICATOR.

NOTES:
1. IF OPTION IS SPECIFIED WITH –T END ASSEMBLY, SUB-ASSEMBLIES B & C WILL BE HCSD-XX-01-X
2. IF OPTION IS SPECIFIED WITH –T END ASSEMBLY, SUB-ASSEMBLIES B & C WILL BE HCSS-XX-01-X
3. HIDDEN LINES ARE USED TO SHOW POLARIZATION WHEN USING –T-N OPTION
4. Ⓒ REPRESENTS CRITICAL DIMENSIONS FOR STATISTICAL PROCESS CONTROL
5. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
6. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 1000V.
7. WIRE: 28 AWG, 7/36, STRANDED. TINNED WITH PVC INSULATOR.
8. FOR –R OR –RW OPTION, CABLE RIB ORIENTATION CAN BE EITHER TOWARDS OR AWAY FROM THE CAP.

EP\CABLE
HCMD-XX-X-XX.XX-XX-XXX-XXX-ASM1

samtec
520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944-6733 P.O. BOX 1147
CODE 55322

MADE BY: KOLB 8-3-90

HCMD-XX-X-XX.XX-XX-XXX-XXX
SHEET 1 OF 2

Mouser Electronics

Authorized Distributor

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Samtec:

HCMD-04-T-12.00-02-N HCMD-07-T-04.00-01-N-G HCMD-05-S-24.00-01-S-ST2 HCMD-07-T-04.00-02-S-N HCMD-08-D-04.00-02-S-G HCMD-08-D-05.00-02-S-G HCMD-08-D-12.00-01-S HCMD-07-T-04.00-01-S-N-G HCMD-20-D-12.00-02-G HCMD-20-T-08.00-02-G HCMD-05-D-16.00-02-S HCMD-05-S-24.00-02-RW HCMD-10-T-15.00-02-S-N HCMD-13-T-14.00-01-G HCMD-05-S-20.00-02-S-ST2 HCMD-15-T-20.00-01-S-N-G-R-RW HCMD-17-T-15.00-02-N-R HCMD-10-T-12.00-02-S HCMD-13-T-06.00-02-G HCMD-08-T-12.00-01-S-N HCMD-10-D-05.00-01-RW HCMD-12-T-24.00-01-S-N HCMD-12-T-04.00-01-S-N-R HCMD-20-D-02.00-02-G HCMD-20-T-12.00-02-G HCMD-05-T-13.00-02-S-N-G HCMD-08-D-20.00-02-S HCMD-06-D-08.00-02-G HCMD-07-D-20.00-02-S HCMD-08-S-20.00-01-S-G HCMD-08-D-11.00-02-S-G-R HCMD-17-T-09.00-02-S HCMD-15-D-48.00-02-G HCMD-08-S-11.00-02-S HCMD-10-D-04.00-02-S HCMD-10-T-14.00-01-N HCMD-20-T-60.00-02-S-N HCMD-05-T-20.00-02-S-N-G-R-RW HCMD-07-T-03.40-01-S-N-G HCMD-17-T-06.00-02-R HCMD-10-T-24.00-02-S-N-G HCMD-07-T-12.50-01-N HCMD-08-D-04.00-01-S-G HCMD-08-S-05.00-02-S-G HCMD-18-D-02.00-02-S HCMD-05-T-10.00-02-N-R HCMD-15-T-05.00-02-G HCMD-05-T-10.00-01-N HCMD-15-D-03.00-02-G HCMD-20-S-12.00-02-G HCMD-06-T-08.00-02-G HCMD-17-T-11.20-01-N HCMD-05-S-12.00-02-S-G HCMD-05-S-20.00-02-RW HCMD-05-T-04.00-02-S-N HCMD-05-D-04.00-02-S HCMD-05-T-12.00-02-S-N-G HCMD-08-D-10.00-01-RW HCMD-10-T-39.37-02-N HCMD-06-D-06.00-02-R HCMD-10-S-02.00-02-G HCMD-12-D-04.00-02-B04-R HCMD-20-T-08.00-02-T-N HCMD-05-T-04.00-02-S-N-R HCMD-05-T-06.00-02-N-R HCMD-08-S-42.00-01-S HCMD-13-S-48.00-02-S-ST8 HCMD-05-S-30.00-02-S HCMD-08-S-12.00-02-S HCMD-10-T-11.81-02-N HCMD-05-S-12.00-02-S-ST2 HCMD-13-T-04.00-02-S-N HCMD-08-T-04.00-01-S-N-G HCMD-12-T-02.00-01-S-N-R HCMD-16-T-10.00-01-S HCMD-20-S-10.00-02-ST8 HCMD-10-T-18.50-01-N HCMD-15-T-12.00-02-S-RW HCMD-17-T-12.00-02-N-R