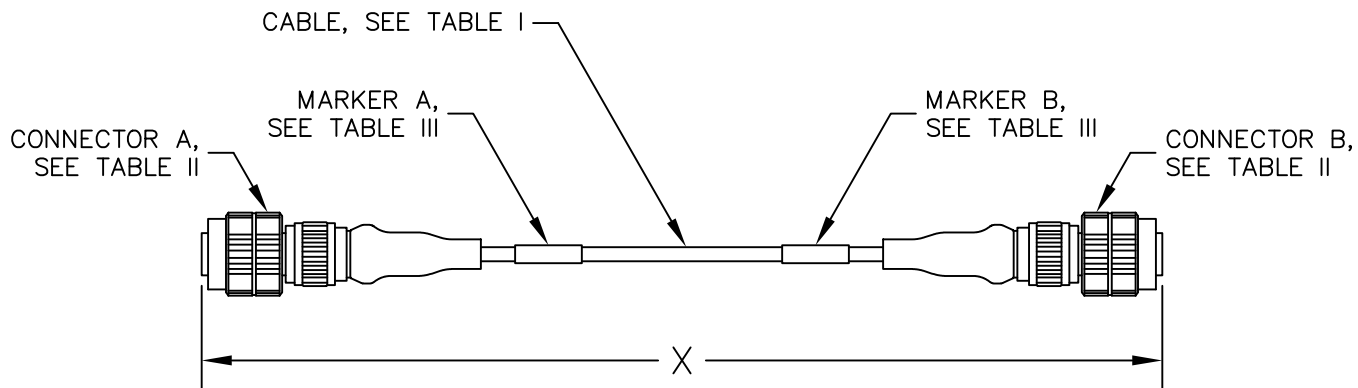


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REVISIONS

ECN	REV.	DESCRIPTION OF CHANGE	DATE	APP'D
-	A	DRAWING RELEASE	1/12/15	KT



PART NUMBER DESCRIPTION: HSC 01 05 05 J00 J00 X

CABLE TYPE, SEE TABLE I _____

CONNECTOR A, SEE TABLE II _____

CONNECTOR B, SEE TABLE II _____

MARKER A, SEE TABLE III _____

MARKER B, SEE TABLE III _____

LENGTH, IN FEET _____

PART NUMBER EXAMPLE: *HSC010506J03J043*

- 01 = JSFY18-1 CABLE
- 05 = D38999/26WA35S (CONNECTOR A)
- 06 = D38999/26WA35P (CONNECTOR B)
- J03 = "P1" DESIGNATION MARKING (CONNECTOR A)
- J04 = "P2" DESIGNATION MARKING (CONNECTOR B)
- 3 = 3 FEET LENGTH

SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
REV	A	A	A	A	A											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS ANGLES .XX .XXX		APPROVALS SIGNATURE AND DATE				<p style="text-align: center;">North Hills™ Signal Processing SYOSSET, N.Y. 11791 TM A TRADEMARK OF NORTH HILLS ELECTRONICS, INC.</p> <p style="text-align: center;">MILITARY FIRE WIRE HIGH SPEED CABLE ASSEMBLY</p>										
THIRD ANGLE PROJECTION ⊙ ◁		CHECKED K.T. 1/12/15				SIZE A		FSCM No. 98821		DWG. NO. HSC SERIES			REV. A			
		ENGRG. K.T. 1/12/15		Q.A. O.C. 1/12/15		SCALE: NONE		CAD #			SHEET 1 OF 5					
CUSTOMER CONTROLLED DOCUMENT		NEXT ASSY.				I.E. R.B. 1/12/15										

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TABLE I – CABLE OPTIONS

P/N	CABLE
01	JSFY18-1 (26 AWG, 110 OHMS)
02	JSFY18-2 (24 AWG, 110 OHMS)
03	JSFY18-3 (22 AWG, 110 OHMS)

TABLE II – CONNECTOR OPTIONS

P/N	CONNECTOR
00	WITHOUT CONNECTOR
01	D38999/26WA35S SHELL SIZE A (9), 1 CHANNEL
02	D38999/26WA35P SHELL SIZE A (9), 1 CHANNEL
03	D38999/26WB35S SHELL SIZE B (11), 3 CHANNEL
04	D38999/26WB35P SHELL SIZE B (11), 3 CHANNEL
05	D38999/26WC35S SHELL SIZE C (13), 5 CHANNEL
06	D38999/26WC35P SHELL SIZE C (13), 5 CHANNEL
07	SIZE 8 QUADREX SOCKET
08	SIZE 8 QUADREX PIN
09	MIL-DTL-38999, SERIES III PLUG, N POLARIZATION, WITH (1) SIZE 8 QUADREX SOCKET
10	MIL-DTL-38999, SERIES III PLUG, N POLARIZATION, WITH (1) SIZE 8 QUADREX PIN
11	MIL-DTL-38999, SERIES III PLUG, N POLARIZATION, WITH (2) SIZE 8 QUADREX SOCKET
12	MIL-DTL-38999, SERIES III PLUG, N POLARIZATION, WITH (2) SIZE 8 QUADREX PIN
13	MIL-DTL-38999, SERIES III PLUG, N POLARIZATION, WITH (4) SIZE 8 QUADREX SOCKET
14	MIL-DTL-38999, SERIES III PLUG, N POLARIZATION, WITH (4) SIZE 8 QUADREX PIN
15	
16	
17	
18	
19	
20	

CUSTOM CONNECTOR OPTIONS ARE AVAILABLE UNPON REQUEST.

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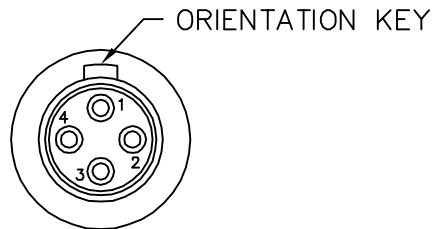
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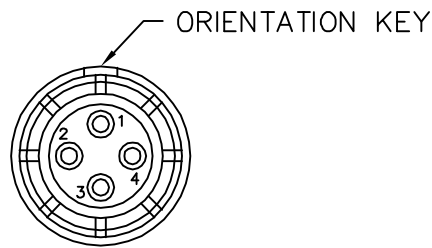
SIZE A	FSCM No. 98821	DWG. NO. HSC SERIES	REV. A
SCALE: NONE	CAD #	SHEET	2 OF 5

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TABLE III – CONNECTOR DESIGNATION MARKER OPTIONS	
P/N	MARKINGS
J00	WITHOUT MARKER
J01	J1
J02	J2
J03	P1
J04	P2
J05	CUSTOM MARKINGS



PIN CONTACT
MATING FACE



SOCKET CONTACT
MATING FACE

DIFFERENTIAL PAIRS, CONTACTS 1–3, 2–4.

FIGURE 1— SUGGESTED NUMBERING FOR QUADRAx CONTACTS

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SIZE

A

FSCM No.

98821

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HSC SERIES

REV.

A

SCALE:

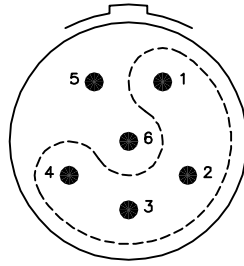
NONE

CAD #

SHEET

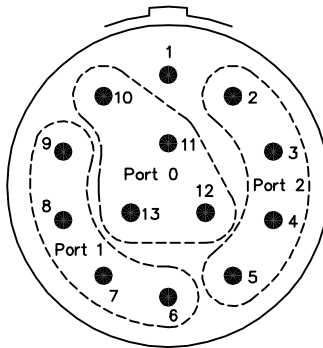
3 OF 5

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<u>PIN</u>	<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>
1	PORT X5 - TA	PORT X5 RECEIVE +
2	PORT X5 - TA*	PORT X5 RECEIVE -
3	PORT X5 - TB	PORT X5 TRANSMIT +
4	PORT X5 - TB*	PORT X5 TRANSMIT -
5	NOT USED	N/A
6	NOT USED	N/A

FIGURE 2 - CONNECTOR PIN-OUT, MIL-DTL-38999 SERIES3 SHELL SIZE A (9)



<u>PIN</u>	<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>
1	NOT USED	N/A
2	PORT 2 - TA	PORT 2 RECEIVE +
3	PORT 2 - TA*	PORT 2 RECEIVE -
4	PORT 2 - TB	PORT 2 TRANSMIT +
5	PORT 2 - TB*	PORT 2 TRANSMIT -
6	PORT 1 - TA	PORT 1 RECEIVE +
7	PORT 1 - TA*	PORT 1 RECEIVE -
8	PORT 1 - TB	PORT 1 TRANSMIT +
9	PORT 1 - TB*	PORT 1 TRANSMIT -
10	PORT 0 - TA	PORT 0 RECEIVE +
11	PORT 0 - TA*	PORT 0 RECEIVE -
12	PORT 0 - TB	PORT 0 TRANSMIT +
13	PORT 0 - TB*	PORT 0 TRANSMIT -

FIGURE 3 - CONNECTOR PIN-OUT, MIL-DTL-38999 SERIES3 SHELL SIZE B (11)

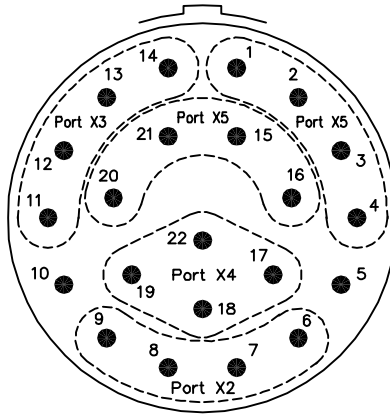
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<u>PIN</u>	<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>
1	PORT X1 - TA	PORT X1 RECEIVE +
2	PORT X1 - TA*	PORT X1 RECEIVE -
3	PORT X1 - TB	PORT X1 TRANSMIT +
4	PORT X1 - TB*	PORT X1 TRANSMIT -
6	PORT X2 - TA	PORT X2 RECEIVE +
7	PORT X2 - TA*	PORT X2 RECEIVE -
8	PORT X2 - TB	PORT X2 TRANSMIT +
9	PORT X2 - TB*	PORT X2 TRANSMIT -
11	PORT X3 - TA	PORT X3 RECEIVE +
12	PORT X3 - TA*	PORT X3 RECEIVE -
13	PORT X3 - TB	PORT X3 TRANSMIT +
14	PORT X3 - TB*	PORT X3 TRANSMIT -
17	PORT X4 - TA	PORT X4 RECEIVE +
18	PORT X4 - TA*	PORT X4 RECEIVE -
19	PORT X4 - TB	PORT X4 TRANSMIT +
22	PORT X4 - TB*	PORT X4 TRANSMIT -
16	PORT X5 - TA	PORT X5 RECEIVE +
15	PORT X5 - TA*	PORT X5 RECEIVE -
21	PORT X5 - TB	PORT X5 TRANSMIT +
20	PORT X5 - TB*	PORT X5 TRANSMIT -
5	NOT USED	N/A
10	NOT USED	N/A

FIGURE 4 - CONNECTOR PIN-OUT, MIL-DTL-38999 SERIES3 SHELL SIZE C (13)

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