

DETAIL 'D'

ALTERNATE CONSTRUCTION

.060 [1.52] REF

.020 [0.51] REF

THROUGH HOLE/STRAIGHT MODIFIED
(SHOWN: SFML-125-X1-XXX-D)

ALTERNATE CONSTRUCTION

Diagram showing dimensions and labels for the THROUGH HOLE/STRAIGHT MODIFIED (SHOWN: SFML-125-X1-XXX-D) and ALTERNATE CONSTRUCTION views.

Labels and Dimensions:

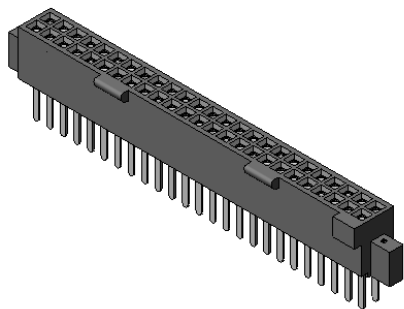
- "A"
- "B"
- "D"
- 01
- 02
- .050 [1.27] REF
- .120 [3.05] REF
- .100 [2.54] REF (TYP)
- .145 [3.68] REF
- .080 [2.03] REF
- "C" REF (TY (SEE NOTE & TABLE

Side view cross-section of a cable assembly. Dimensions and callouts include:

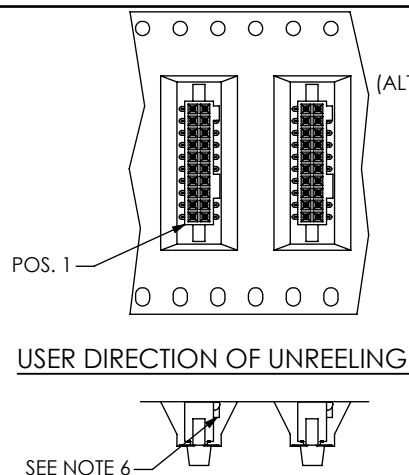
- Top horizontal dimension: (No OF POS x .050 [1.27] + .155 [3.94] REF)
- Second horizontal dimension from left: (No OF POS x .050 [1.27] + .015 [3.8] REF)
- Top right vertical dimension: .035 [0.89] REF (TYP)
- Left vertical dimension: .180 [4.57] REF
- Bottom left vertical dimension: .110 [2.79] REF
- Bottom left label: "B" REF (SEE TABLE 1)
- Bottom left callout: **W**
- Bottom horizontal dimension: (No OF POS x .050 [1.27] - .050 [1.27])
- Bottom right vertical dimension: 1° MAX SWAY (TYP)
- Right side callouts: "A" (C3) and (SEE TABLE 1)
- Top right callout: & TABLE 3)
- Bottom center callout: C4

SECTION "A"-"A"

TABLE 3 (SEE NOTE 5)	
NO OF POS.	"C"
-05	.080
-10 THRU -50	.305



-TR: TAPE & REEL PACKAGING
(ALTERNATE KEYING OPTION SHOWN)



- 01: THROUGH HOLE
(USE C-44-01-XXX, SEE FIG 1, SHT 1)
- 02: SURFACE MOUNT
(USE C-44-02-XXX, SEE FIG 3, SHT 2)
- 03: STRAIGHT MODIFIED
(USE C-44-03-XXX, SEE FIG 1, SHT 1)
- L1: THROUGH HOLE (LOW INSERTION)
(USE C-61-01-XXX, SEE FIG 1, SHT 1)
- L2: SURFACE MOUNT (LOW INSERTION)
(USE C-61-02-XXX, SEE FIG 3, SHT 2)
- L3: STRAIGHT MODIFIED (LOW INSERTION)
(USE C-61-03-XXX, SEE FIG 1, SHT 1)
- T1: THROUGH HOLE (PHOS BRONZE)
(USE C-119-01-XXX, SEE FIG 1, SHT 1)
- T2: SURFACE MOUNT (PHOS BRONZE)
(USE C-119-02-XXX, SEE FIG 3, SHT 2)

No OF POSITIONS -
-05, -10 THRU -50
(PER ROW)

(LEAVE BLANK FOR STANDARD
AND USE SFML-XX-D)
-A: ALIGNMENT PIN (USE SFML-XX-D-A)
(SEE FIG 5, SHT 3)
-LC: LOCKING CLIP (SEE FIG 7, SHT 3)
(USE (2) LC-05-TM & SFML-XX-D)
-P: PICK & PLACE PAD (SEE FIG 6, SHT 3)
(USE PPP-02)
-TR: TAPE & REEL PACKAGING
(SEE FIG 2, SHT 1)
-K: POLYIMIDE FILM PAD
(USE K-500-300) (SEE FIG. 4, SHT. 2)
-SN: SOLDER NAIL (USE SFML-XX-D-SN &
WT-27-01-T) (SEE FIG 8, SHT 4)
(AVAILABLE ON -X2 LEAD STYLES ONLY)

-D: DOUBLE ROW
(USE SFML-XX-D-X)

- S: SELECTIVE
- P: GOLD FLASHED PALLADIUM
NICKEL
- F: FLASH SELECTIVE GOLD
- H: HEAVY GOLD
- L: LIGHT SELECTIVE GOLD
- STL: SELECTIVE GOLD/ TIN-LEAD
(ONLY AVAILABLE ON -.02 AND -.L2
LEADSTYLES)
- SM: HEAVY SELECTIVE GOLD, MATTE TIN TAIL
- LM: LIGHT SELECTIVE GOLD, MATTE TIN TAIL
- FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL

NOTES:

1.  REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY: .004 [.10] FOR POS. 10 THRU 26
.006 [.15] FOR POS. 27 THRU 50
3. MINIMUM PUSHOUT FORCE: .5 LB.
4. MAXIMUM ALLOWABLE BOW: .002 INCH/INCH [MM/MM] AFTER ASSEMBLY.
5. POSITIONS -05 WILL HAVE ONLY ONE CLIP AT DIMENSION SHOWN AND WILL NOT HAVE POLARIZATION NOTCH;
POSITIONS -10 THROUGH -24 WILL HAVE ONLY ONE CLIP AT DIMENSION SHOWN;
POSITIONS -25 THROUGH -34 WILL HAVE TWO CLIPS AT DIMENSION SHOWN;
POSITIONS -35 THROUGH -50 WILL HAVE THREE CLIPS: TWO AT DIMENSION SHOWN & ONE CENTERED ON INSULATOR.
6. SEE NOTCH FOR PROPER ORIENTATION.
7. PINS CAN BE ORIENTED IN ANY DIRECTION; BOTH ROWS MUST FACW SAME WAY.
8. MAXIMUM PIN HEIGHT VARIATION BETWEEN ANY TWO ROWS: .003[.08].
9. TUBE PARTS WITH NOTCH TOWARD ARROW.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

DECIMALS	ANGLES
.XX: $\pm .01$ [.3]	2°
.XXX: $\pm .005$ [.13]	
.XXXX: $\pm .0020$ [.051]	

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

MATERIAL:

INSULATOR: VECTRA E130
CONTACT: BeCu
PHOS BRONZE

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:	
--------------	--

.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. NO.

SFML-1XX-XX-XXX-D-XX

BY: BRATCHER 4/19/99

SHEET 1 OF 4

c:\enterprisevault\DWG\MISC\MKTG\SFML-1XX-XX-XXX-D-XX-MKT.SLDDRW

FIG. 3
-X2: SURFACE MOUNT
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)

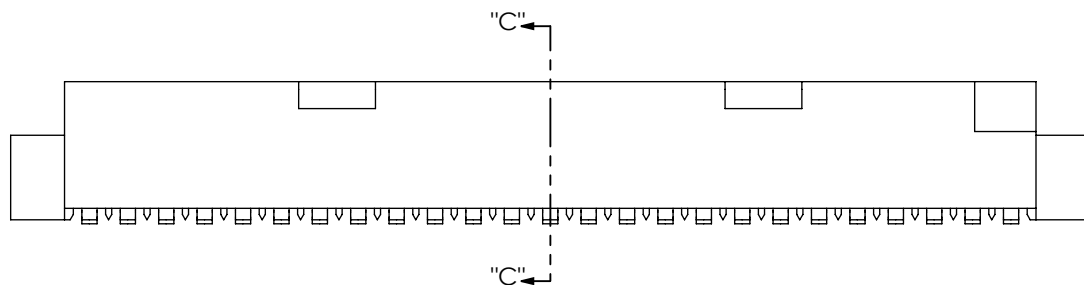
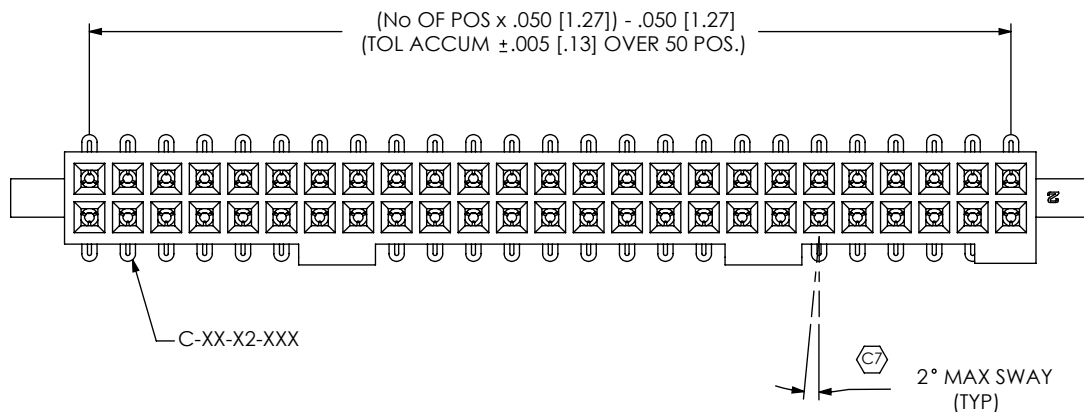
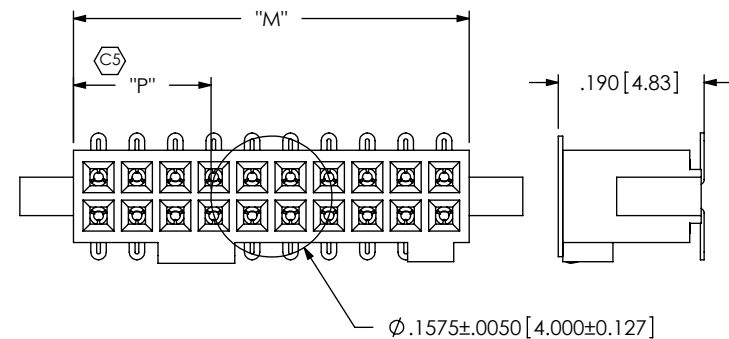
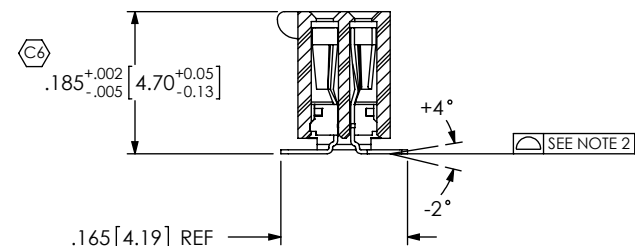


FIG. 4
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: SFML-110-X2-X-D-K)
(ALTERNATE CONSTRUCTION SHOWN)



NOTE:
"M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .1575 [4.000]) / 2} ±.020 [.51]



SECTION "C"-"C"

c:\enterprisevault\DWG\MISC\MKTG\SFML-1XX-XX-XXX-D-XX-MKT.SLDDRW

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. NO.
SFML-1XX-XX-XXX-D-XX

BY: BRATCHER 4/19/99

SHEET 2 OF 4

FIG. 5

-A: ALIGNMENT PIN OPTION
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

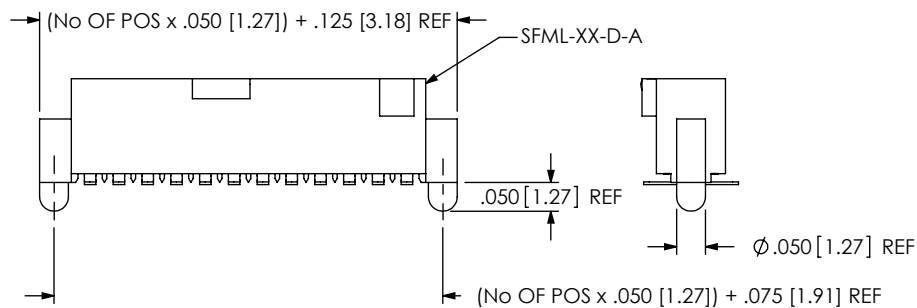


FIG. 6

-P: PICK & PLACE PAD OPTION
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)

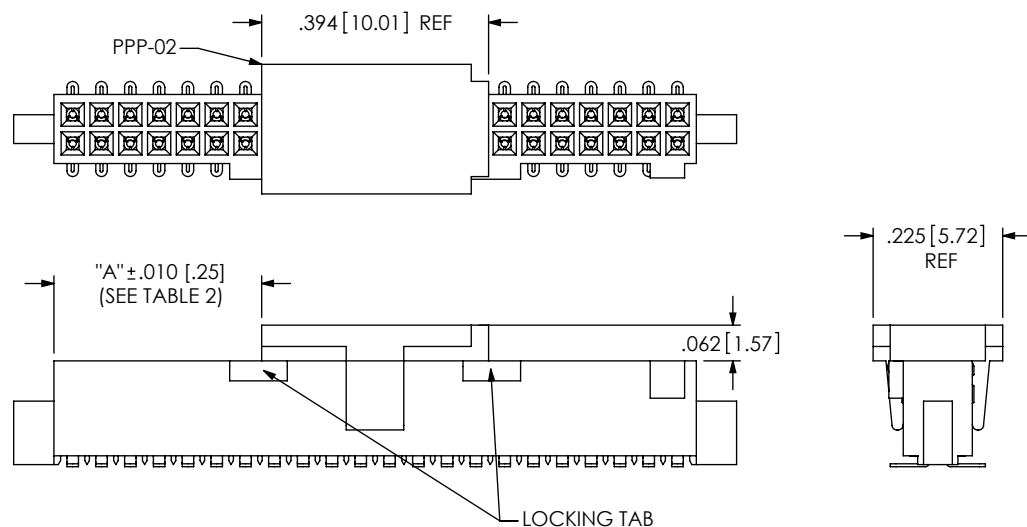
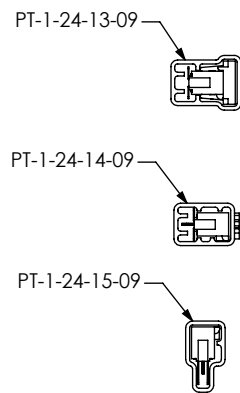


TABLE 2

POS.	"A"
-35 AND ABOVE (ODD)	{{(No OF POS x .050 [1.27]) / 2} -.2895 [7.353]}
EVEN ABOVE -34	{{(No OF POS x .050 [1.27]) / 2} -.3145 [7.989]}
ODD ABOVE -19	{{(No OF POS x .050 [1.27]) / 2} -.1895 [4.813]}
EVEN ABOVE -18	{{(No OF POS x .050 [1.27]) / 2} -.2145 [5.448]}
-10	.086 [2.18]
-11	.136 [3.45]
-12	.186 [4.72]
-13	.236 [5.99]
-14	.286 [7.26]
-15	.086 [2.18]
-16	.136 [3.45]
-17	.186 [4.72]
-18	.236 [5.99]
-19	.286 [7.26]

PACKAGE PARTS IN TUBES AS SHOWN
(SEE NOTE 9)



SAMTEC ➡ **ANTI-STATIC**

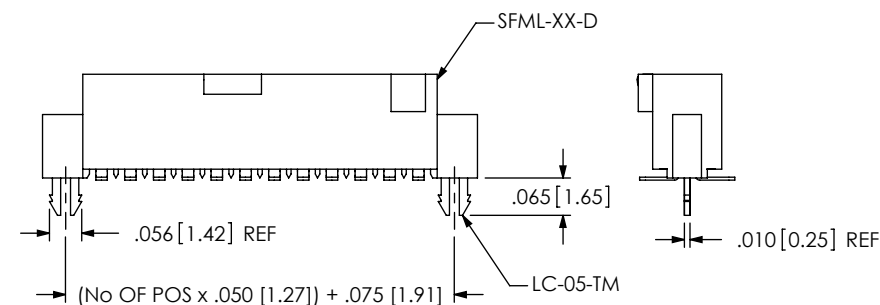
SAMTEC ➡ **ANTI-STATIC**

SAMTEC ➡ **ANTI-STATIC**

LEAD STYLE	PACKAGING TUBE	PLUG
-X1-X, -X3-X (NO PAD)	PT-1-24-15-09	TP-24-02
-X1-X-P (W/ P&P PAD)	PT-1-24-02-17	TP-09
-X2-X (NO P&P PAD)	PT-1-24-14-09	TP-24-02
-X2-X-P, -X3-X-P (W/ P&P PAD)	PT-1-24-13-09	TP-24
-X1-K	PT-1-24-13-09	TP-24
-X2-K	PT-1-24-14-09	TP-24-02

FIG. 7

-LC: LOCKING CLIP OPTION
(SAME AS FIG. 1, UNLESS OTHERWISE STATED)
(ALTERNATE CONSTRUCTION SHOWN)



c:\enterprisevault\DWG\MISC\MKTG\SFML-1XX-XX-XXX-D-XX-MKT.SLDDRW

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

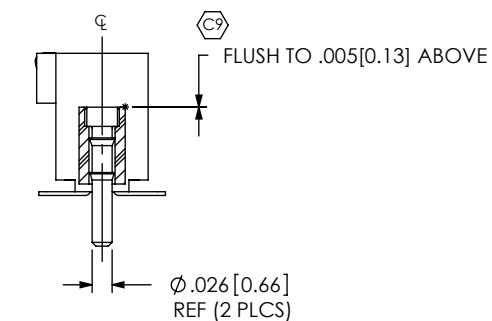
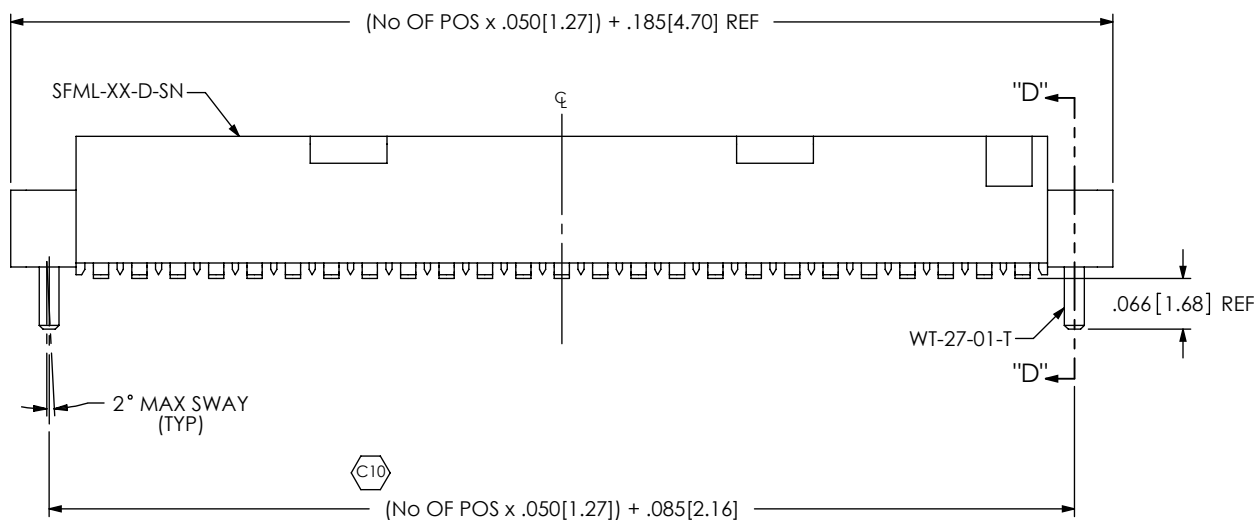
DWG. NO.

SFML-1XX-XX-XXX-D-XX

BY: BRATCHER 4/19/99

SHEET 3 OF 4

FIG. 8
 -SN: SOLDER NAIL OPTION
 (SHOWN: SFML-125-02-XXX-D-SN
 (SAME AS FIG. 1, UNLESS OTHERWISE STATED)
 (ONLY AVAILABLE ON -X2 LEAD STYLES)



SECTION "D"- "D"

PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION
 CONFIDENTIAL AND PROPRIETARY TO
 SAMTEC, INC. AND SHALL NOT BE REPRODUCED
 OR TRANSFERRED TO OTHER DOCUMENTS OR
 DISCLOSED TO OTHERS OR USED FOR ANY
 PURPOSE OTHER THAN THAT WHICH IT WAS
 OBTAINED WITHOUT THE EXPRESSED WRITTEN
 CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
 .050 [1.27] x .050 [1.27] LOCKING SOCKET ASSEMBLY

DWG. NO.
SFML-1XX-XX-XXX-D-XX

BY: BRATCHER 4/19/99 SHEET 4 OF 4