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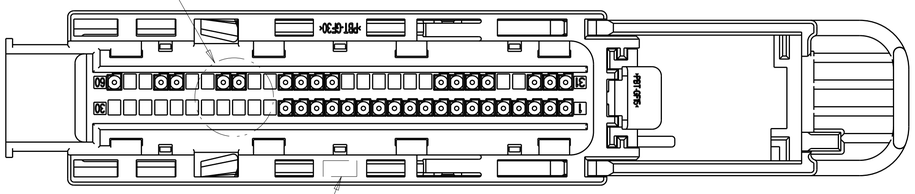
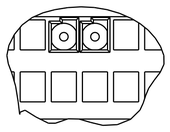
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA3	REVISED PER ECO-15-004852	27MAR2015	DLD	DLD

SEE DETAIL A

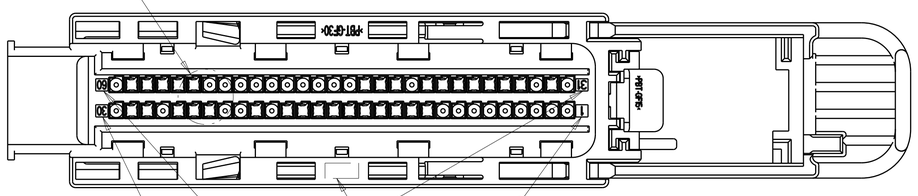


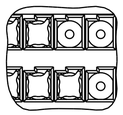
ALTERNATE CONSTRUCTION



DETAIL A
SCALE 4:1

SEE DETAIL B





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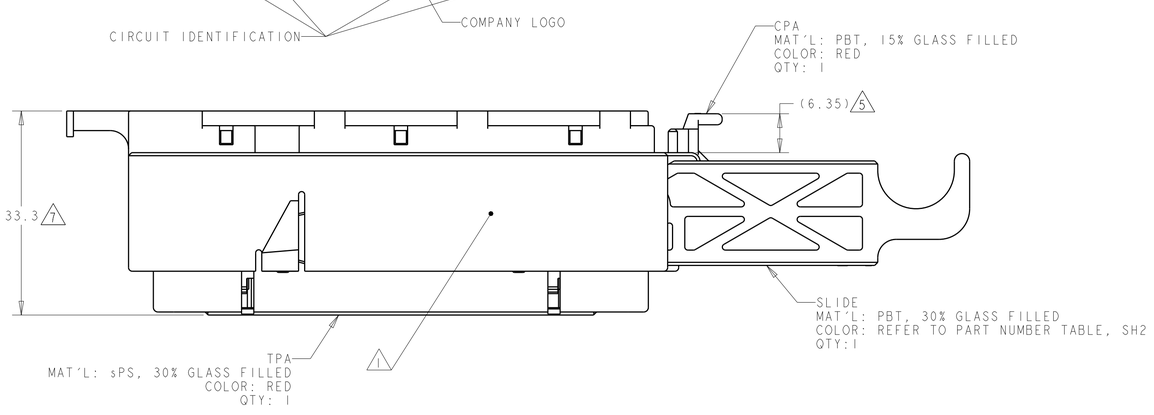
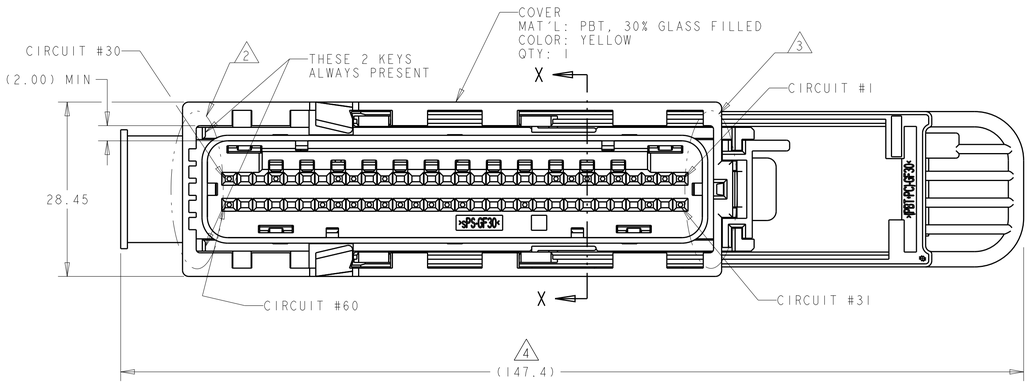
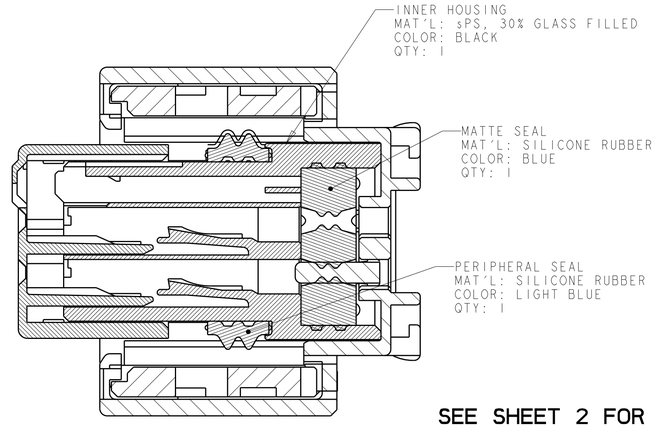
SCALE 4:1







SECTION X-X
SCALE 4:1

1. TE CONNECTIVITY (TE) PART NUMBER AND JULIAN DATE CODE MARKED ON THIS SIDE.
2. SEE KEYING ARRANGEMENT TABLE FOR KEYWAY LOCATIONS, SEE SHEET 6.
3. SEE KEYING ARRANGEMENT TABLE FOR KEY LOCATIONS, SEE SHEET 6.
4. SLIDE SHOWN IN UNLOCKED POSITION.
5. CPA SHOWN IN UNLOCKED POSITION.
6. NOTE DELETED.
7. TPA SHOWN IN UNLOCKED POSITION.
8. REFER TO DRAWING C-638623 AND/OR C-1488143 FOR MATING CONNECTOR INFORMATION.
9. NOT FOR PRODUCTION USE.
10. MISCELLANEOUS COMPONENT ENGAGE/DISENGAGE FORCE, SAE/USCAR-2, SECTION 5.4.4.4, G.M. APPROVED DEVIATION:
    TPA (PRE-SET TO FULL) FORCES TO BE 15 TO 55 NEWTONS.
11. MISCELLANEOUS COMPONENT ENGAGE/DISENGAGE FORCE, SAE/USCAR-2, SECTION 5.4.4.4, G.M. APPROVED DEVIATION:
    CPA (PRE-SET TO FULL) FORCES TO BE 7 TO 30 NEWTONS.
12. POLARIZATION FEATURE EFFECTIVENESS, SAE/USCAR-2, SECTION 4.3.4, G.M. APPROVED DEVIATION:
    DURING MISMATING FORCE TESTING CERTAIN CONNECTOR/HEADER COMBINATIONS MAY ALLOW ELECTRICAL CONTACT OF UP TO 26 PINS BELOW THE REQUIRED 220 NEWTON FORCE.
13. CONNECTOR-CONNECTOR MATING/UNMATING FORCE, SAE/USCAR-2, SECTION 5.4.2.4, G.M. APPROVED DEVIATION:
    MATING FORCE IS ACCEPTABLE FOR THE CONNECTOR/HEADER SYSTEM UP TO 50 TERMINALS AT ≤ 75 NEWTONS.
14. APPLICABLE TE GET FEMALE TERMINALS:
    FOR 0.22/0.35 WIRE SECTION, TERMINAL PART NUMBER 1393364-2
    FOR 0.50/0.0.75 WIRE SECTION, TERMINAL PART NUMBER 1393365-2
15. REFER TO POGO PIN FOR GET SOCKET TERMINAL ON TE DRAWING #114-18411 FOR CONTINUITY TESTING.
16. PRELIMINARY NOT RELEASED FOR PRODUCTION.

**SEE SHEET 2 FOR HEADER INTERFACE SPECIFICATION,
SHEET 6 FOR KEYING ARRANGEMENTS,
AND SHEETS 7, 8 & 9 FOR CIRCUIT ARRANGEMENTS**

SEE SHEET 3

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-638595 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 10 | REV BA3

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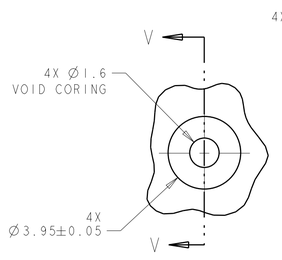
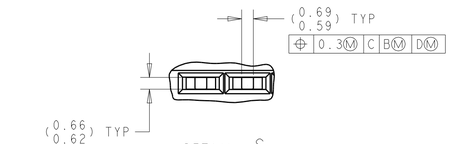
APPLICABLE HEADER INTERFACE SPECIFICATION

SHOWN WITH KEYING OPTION K1
SCALE 3:1

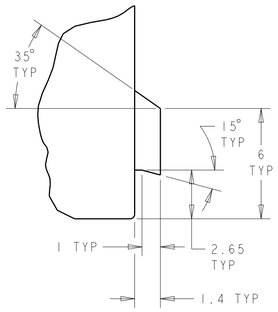


DETAIL W
SCALE 6:1

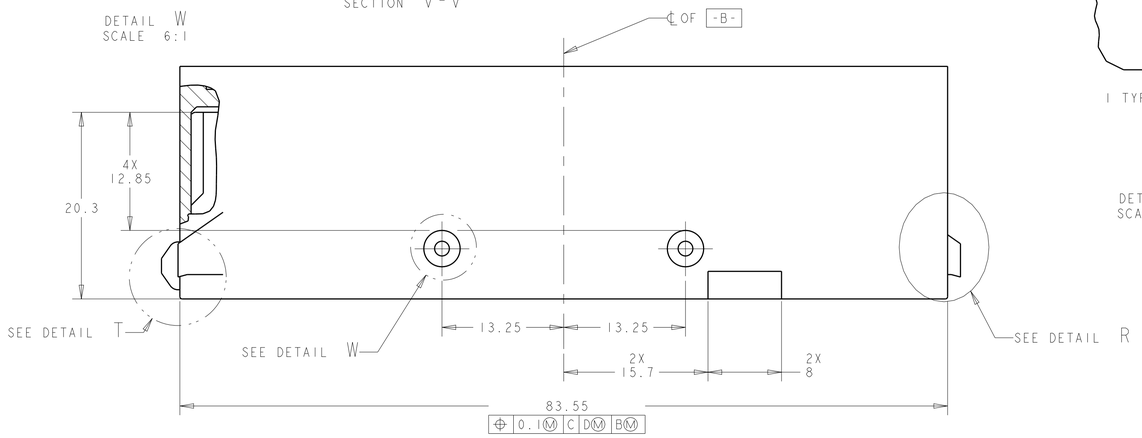
SECTION V-V

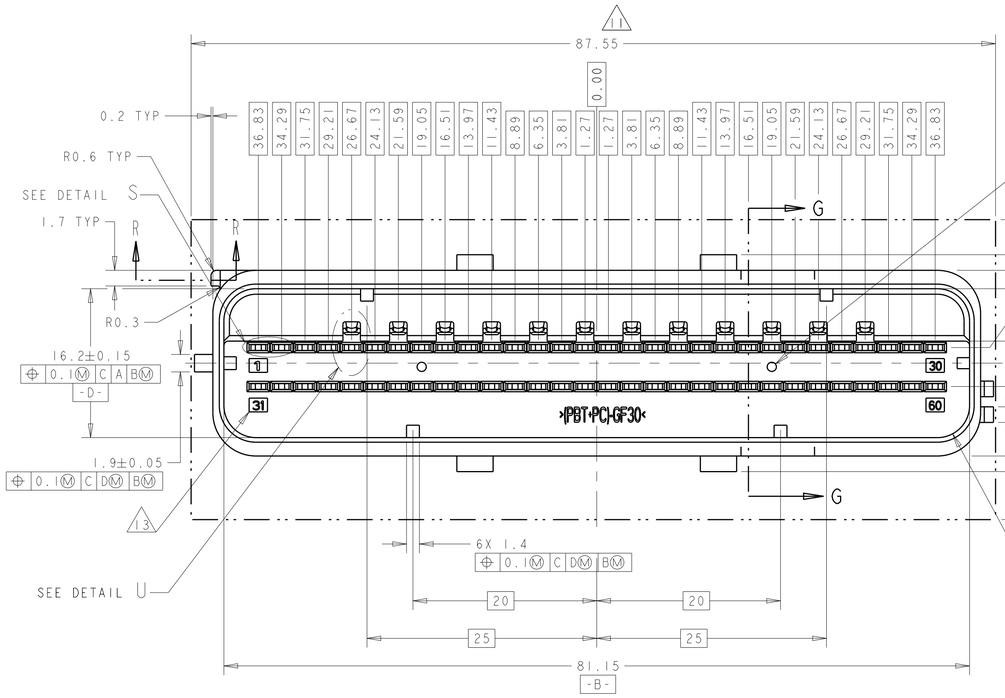


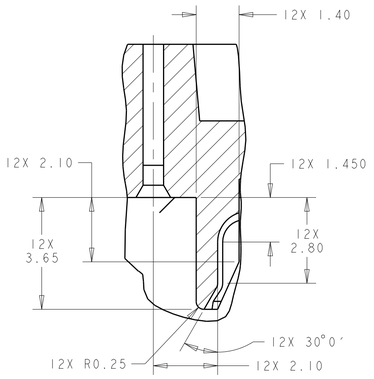
DETAIL S
SCALE 6:1



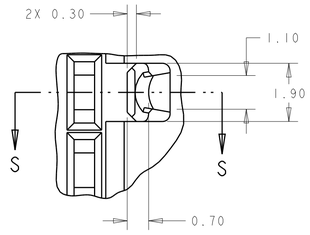
DETAIL R
SCALE 6:1



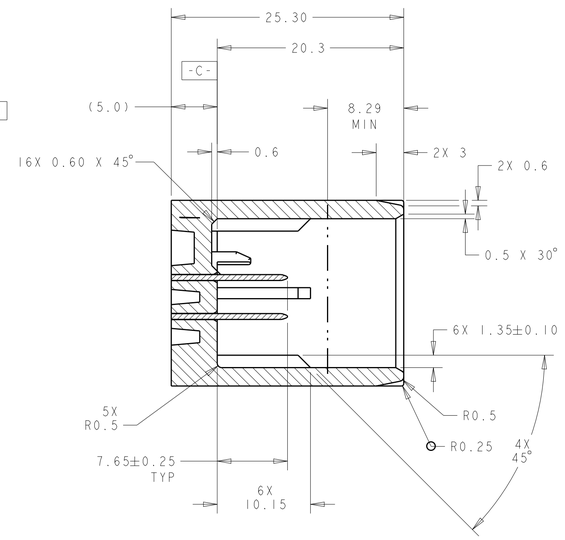




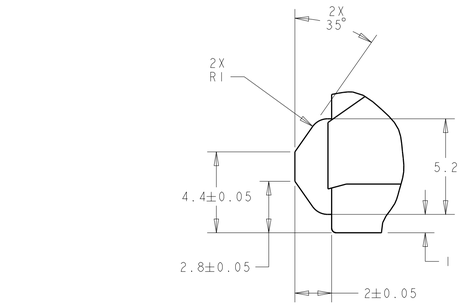
SECTION S-S



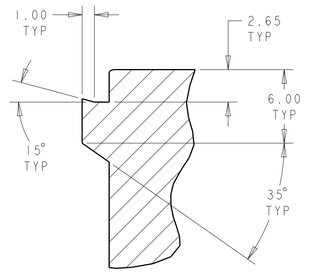
DETAIL U
ROTATED 90° CLOCKWISE
SCALE 10:1



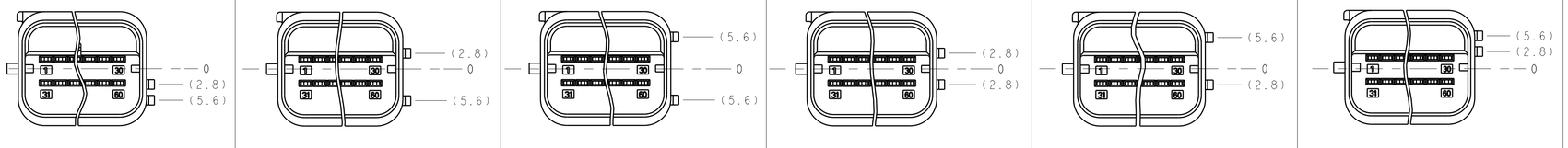
SECTION G-G



DETAIL T
SCALE 6:1



SECTION R-R
SCALE 4:1



KEYING ARRANGEMENTS FOR HEADER INTERFACE

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

NOTE(S): UNLESS OTHERWISE SPECIFIED

1. PART MUST CONFORM TO THE LATEST LEVEL OF USCAR DATED 951010.
2. ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
3. GENERAL TOLERANCES: ±0.2 ALL ONE PLACE DIMENSIONS, ±0.1 ALL TWO PLACE DIMENSIONS, ±2° ALL ANGULAR PLACE DIMENSIONS
4. ALL RADIUS ±0.5.
5. PIN PLATING DETAILS . . .
6. (SEALED INTERFACES ONLY) SEALING SURFACE MUST BE SMOOTH AND FREE OF PARTING LINES.
7. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
8. DRAFT ANGLE PERMISSIBLE ONLY WITHIN PRINT TOLERANCE.
9. SEALING SURFACE, NO WITNESS LINES OR DAMAGE PERMITTED.
10. VENT HOLE SIZE AND LOCATION OPTIONAL.
11. THIS AREA TO REMAIN CLEAR FOR HARNESS ASSEMBLY.
12. HOUSING MATERIAL SELECTION BASED ON PERFORMANCE REQUIRED FOR END APPLICATION AND SOLDERING PROCESS.
POLYESTER (PBT) - 30% GLASS TESTED TO USCAR2, REV 3, CLASS 2, MAX. AMBIENT 100 DEGREE C.
13. CIRCUIT NUMBERS 1,0 HIGH CHARACTERS RAISED 0.05 - 0.1 IN A 0.10 TO 0.15 RECESSED AREA.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-638595 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 10 | REV BA3

4805 (3/13)

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

GM PART NUMBER	SLIDE COLOR	CIRCUIT ARRANGEMENT (SEE TABLE ON SH 5 & 6)	KEYING ARRANGEMENT (SEE TABLE ON SHEET 5)	PART NUMBER

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

GM PART NUMBER	SLIDE COLOR	CIRCUIT ARRANGEMENT (SEE TABLE ON SH 5 & 6)	KEYING ARRANGEMENT (SEE TABLE ON SHEET 5)	PART NUMBER
13577852	BLACK	C134	K5	3-1924558-7
13502172	BLACK	C130	K3	2-1924558-2
13502171	BLACK	C120	K3	2-1924558-1
13502170	BLACK	C42	K6	2-1924558-0
13502169	BLACK	C91	K6	1-1924558-9
19206496	BLACK	C125	K4	1-1924558-8
19206495	BLACK	C126	K2	1-1924558-7
19206494	BLACK	C125	K1	1-1924558-6
19206493	BLACK	C124	K3	1-1924558-5
19206492	BLACK	C123	K3	1-1924558-4
19206488	BLACK	C46	K3	1-1924558-0
19152767	BLACK	C37	K2	1924558-8
19180411	BLACK	C22	K3	1924558-7
19179682	BLACK	C22	K6	1924558-5
19179684	BLACK	C29	K5	1924558-2
19179685	BLACK	C28	K2	1924558-1

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD I.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-638595	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 4 OF 10 | REV DA3

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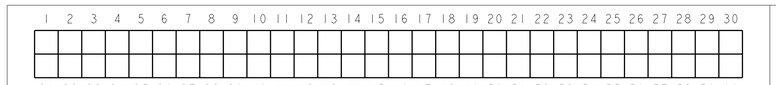
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SERVICE PART
NOT INTENDED FOR PRODUCTION USE

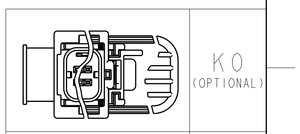
9 BLACK	C3	K0	8-184464-7
SLIDE COLOR	CIRCUIT ARRANGEMENT (SEE TABLE ON SHEET 4)	KEYING ARRANGEMENT (SEE TABLE ON SHEET 4)	PART NUMBER

SERVICE PART
NOT INTENDED FOR PRODUCTION USE



CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT



KEYING ARRANGEMENT
(■ INDICATES PRESENCE OF KEYWAY OR ABSENCE OF KEY)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J.R.SHUEY 31MAR2000	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.20 3 PLC ±- 4 PLC ±- ANGLES ±-	CHK V.KANE 31MAR2000	NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)
		APVD J.M.MYER 31MAR2000	
		PRODUCT SPEC -	
		APPLICATION SPEC 114-13060	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-638595 / RESTRICTED TO -
MATERIAL - SEE CALLOUT	FINISH - SEE CALLOUT	WEIGHT -	
		CUSTOMER DRAWING	SCALE 2:1 / SHEET 5 OF 10 / REV BA3

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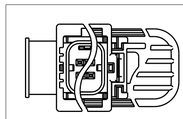
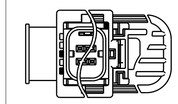
REVISIONS

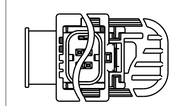
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



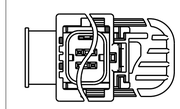
K99



K7



K6



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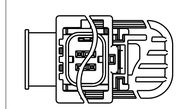
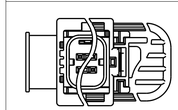


K4



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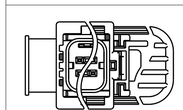
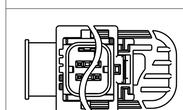


K2



K1

KEYING ARRANGEMENT
(▨ INDICATES PRESENCE OF KEYWAY OR ABSENCE OF KEY)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME
ASSEMBLY, FEMALE,
60 WAY GET SDM CONNECTOR
(SHUNTLESS VERSION)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-638595	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 6 OF 10 | REV BA3

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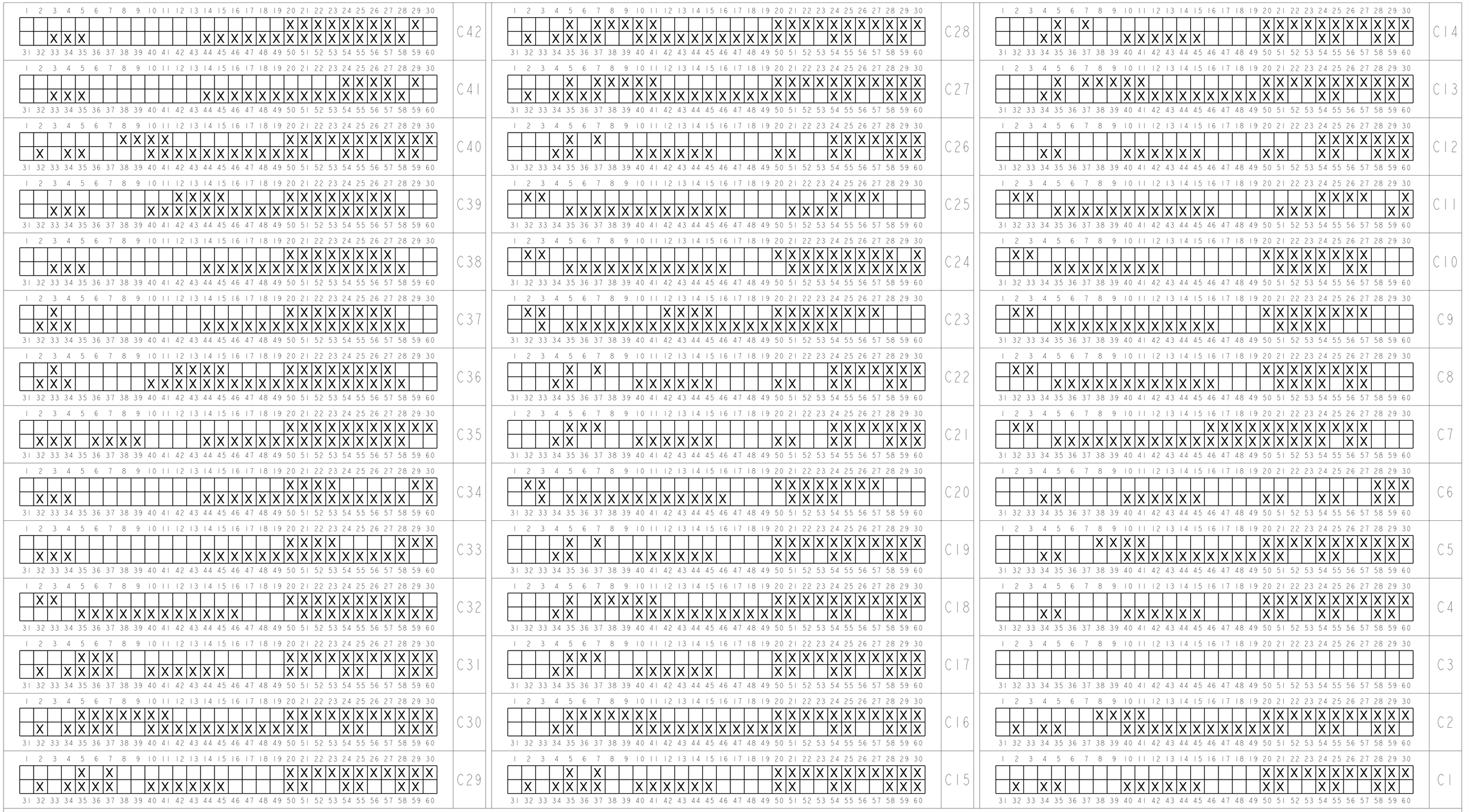
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-638595	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 7 OF 10 | REV BA3

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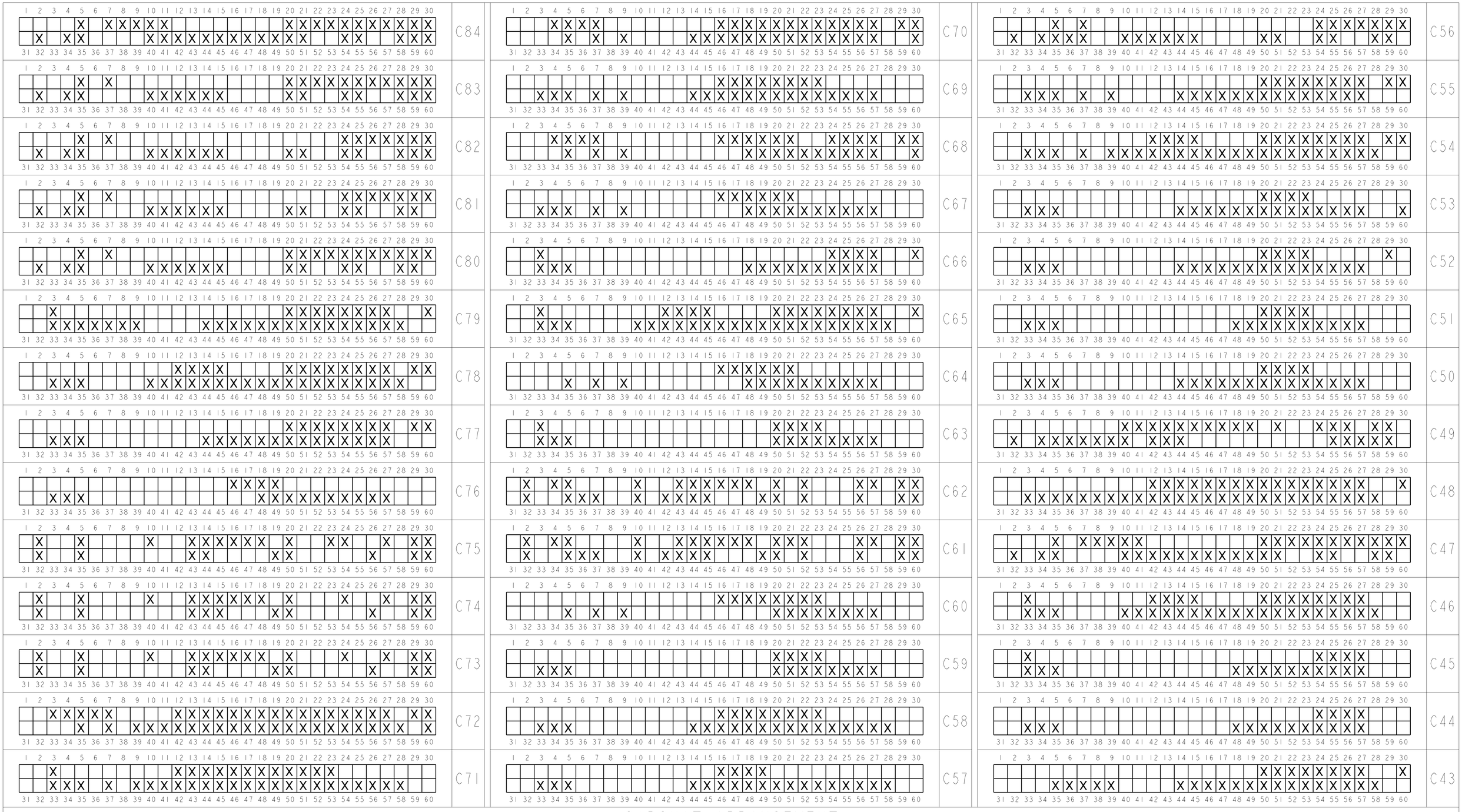
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN J.R.SHUEY 31MAR2000	TE Connectivity	
DIMENSIONS: mm	CHK V.KANE 31MAR2000	NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.20 3 PLC ±- 4 PLC ±- ANGLES ±-	APVD J.M.MYER	PRODUCT SPEC -	
		APPLICATION SPEC 114-13060	
MATERIAL - SEE CALLOUT	FINISH - SEE CALLOUT	WEIGHT -	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-638595 / RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 2:1 / SHEET 8 OF 10 / REV BA3

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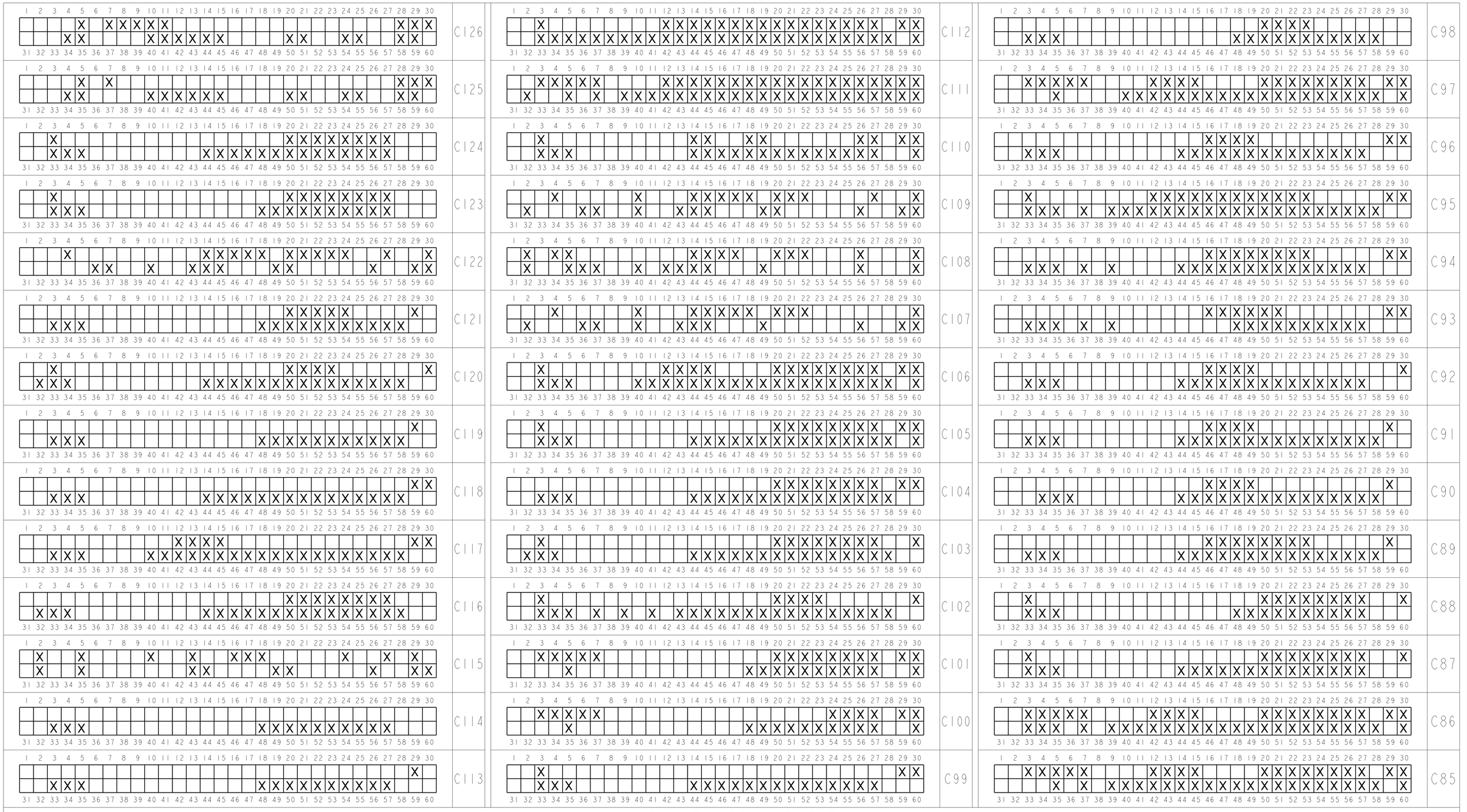
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

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DIMENSIONS: mm	APVD J.M.MYER 31MAR2000	NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)	
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MATERIAL - SEE CALLOUT	WEIGHT -		
FINISH - SEE CALLOUT	CUSTOMER DRAWING	SCALE 2:1 / SHEET 9 OF 10	REV BA3

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	
C134	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
C132	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
C131	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
C130	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
C129	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
C128	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
C127	X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

CIRCUIT ARRANGEMENT

[X] INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
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PRODUCT SPEC -
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TE Connectivity

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SIZE A1 | CAGE CODE 00779 | DRAWING NO C-638595 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 2:1 | SHEET 10 OF 10 | REV BA3