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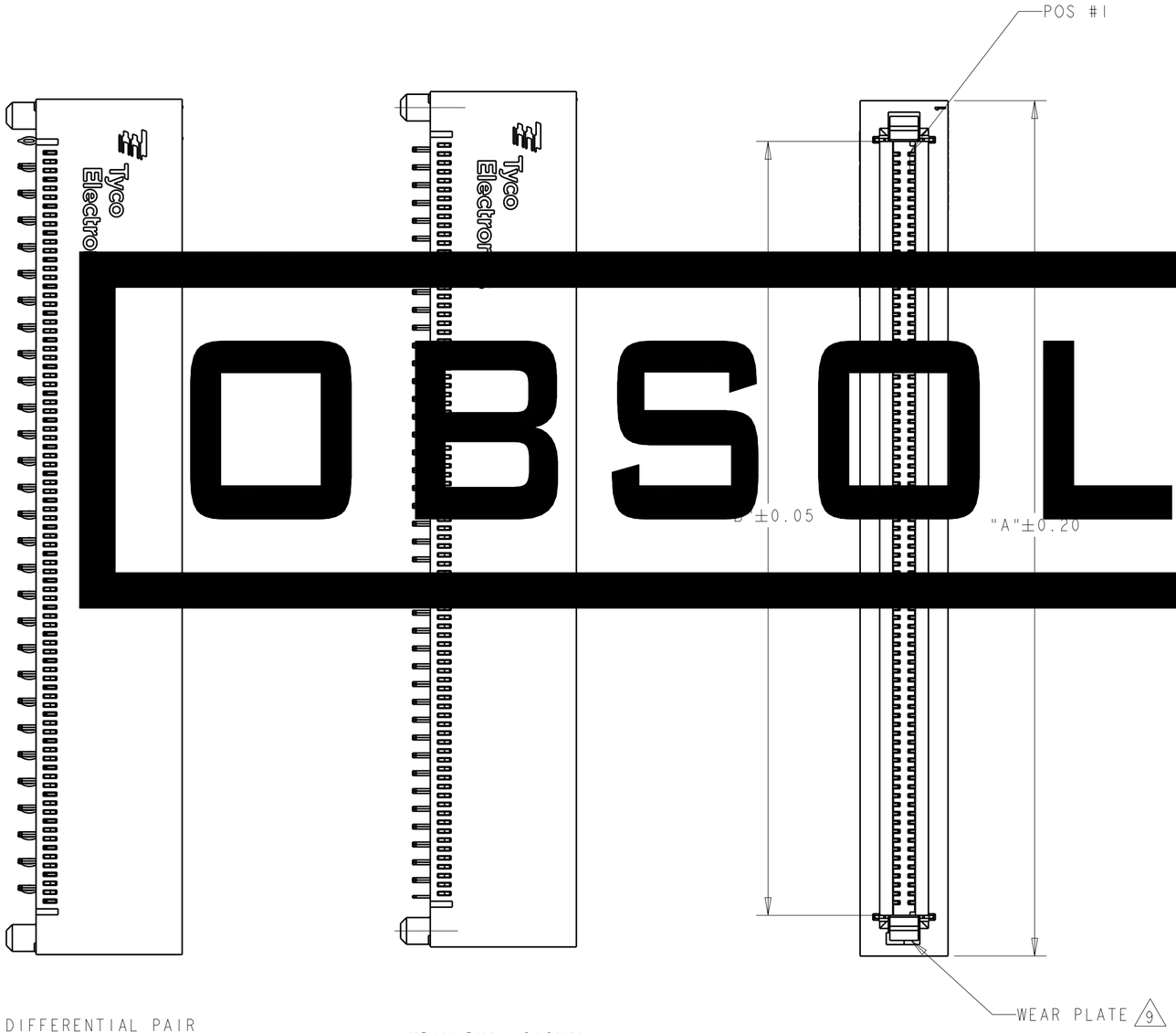
LOC	DIST
CC	00

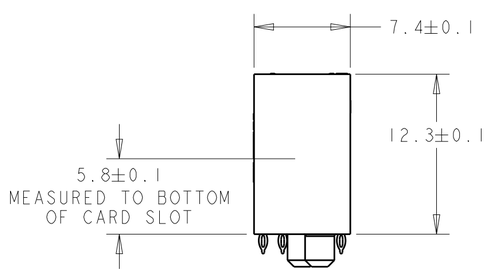
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED	25NOV08	KT	PR
	B	REV PER ECO-09-006618	24MAR2009	CR	PR
	C	REV PER ECR-15-004753	13JUL2015	F.L	F.Y



DIFFERENTIAL PAIR CONFIGURATION

INDIVIDUAL SIGNAL CONFIGURATION



OBSOLETE

1. PCB HOLE DIMENSIONS:
   DRILLED HOLE = 0.64±0.02 mm
   FINISHED HOLE = 0.55 mm REF
   Cu THICKNESS = 25-50 um WITH EITHER
   PLATING THICKNESS:
   HASL Sn Pb = 4-10 um OR
   IMMERSION Sn = MIN 0.5 um OR
   OSP = 0.2-0.5 um OR
   IMMERSION Au/Ni = 0.5-1.2 um Au OVER 3.0-7.0 um Ni OR
   IMMERSION Ag = 0.1 um MIN

2. [illegible] CK
   CONTACTS- COPPER ALLOY
   WEAR PLATE- STAINLESS STEEL

3. [illegible] NG [illegible] m MIN GO[illegible] OR
   0.6[illegible] MIN PAL[illegible]IUM-NICKEL OVER [illegible]7um MIN NICKEL
   COM[illegible]ANT PIN A[illegible]A- 0.5 um MATTE T[illegible] OVER 1.27 um
   NIC[illegible].

4. CONN[illegible]OR MARKED [illegible]TH PART NUMBER A[illegible] DATE CODE.

5. DATU[illegible] AND BASI[illegible]IMENSIONS ESTABL[illegible]D
   BY C[illegible]TOMER.

6. CONTACT AREA LUBRICATED WITH BELLCO[illegible] APPROVED
   LUBRICANT. TECHNICAL REFERENCE GR[illegible]17-CORE
   ISSUE 1, NOVEMBER 1995.

7. REFER TO TYCO ELECTRONICS APPLICATION SPECIFICATION
   114-13180 FOR SPECIFIC APPLICATION RELATED INFORMATION.

8. FINISH- MATING AREA- 0.76 um MIN GOLD OR
   0.64 um MIN PALLADIUM-NICKEL OVER 1.27um MIN NICKEL
   COMPLIANT PIN AREA- 0.5 um BRIGHT TIN-LEAD OVER 1.27 um
   NICKEL.

9. WEAR PLATE EXTENDS FROM TOP OF CONNECTOR
   TO BOTTOM OF SLOT AND IS USED TO ELIMINATE WEAR OF
   THE HOUSING CAUSED BY THE EDGE OF THE PCB CARD.

10. THESE 2 END HOLES ARE NOT REQUIRED ON 80 AND
    140 POSITION PCB'S.

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DWN	D. SZCZESNY 11JAN08
CHK	-
APVD	-
PRODUCT SPEC	108-2254
APPLICATION SPEC	114-13180
WEIGHT	-

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±0.1
1 PLC	±0.1
2 PLC	±0.13
3 PLC	±0.013
4 PLC	±0.0001
ANGLES	±-

MATERIAL -

FINISH -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CARD EDGE CONNECTOR, VERTICAL
0.75 CENTERLINE
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1934768	-

CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 4 | REV C

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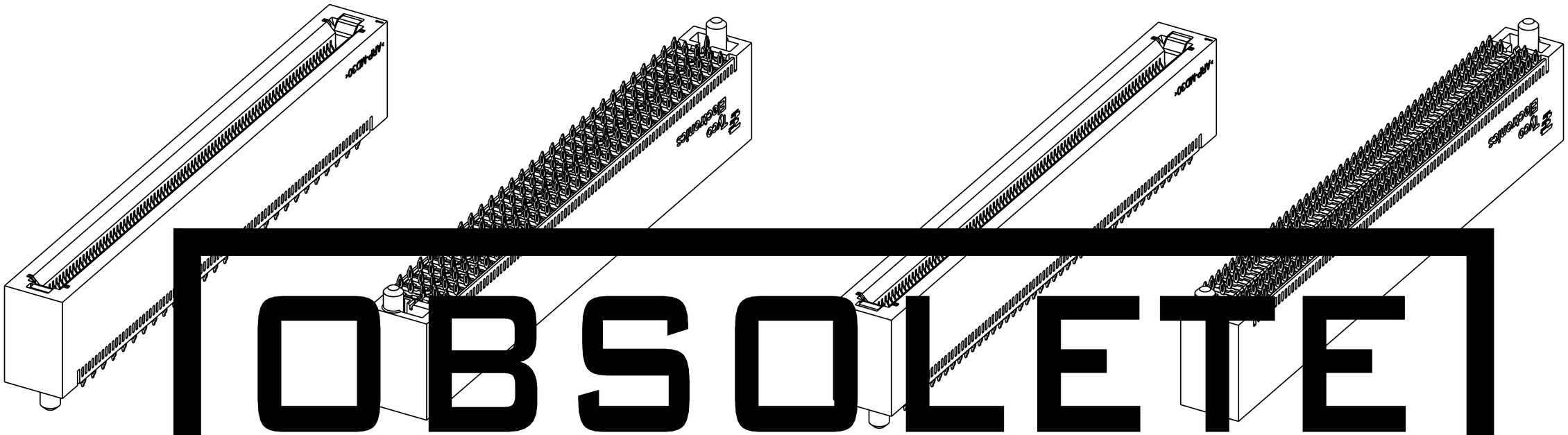
LOC	DIST
CC	00

REVISIONS

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



OBSOLETE

2-
DIFFERENTIAL PAIR CONFIGURATION

PART NUMBERS

INDIVIDUAL SIGNAL CONFIGURATION

"B"	"A"	DIFFERENTIAL PAIR	SIGNALS	PLATING	POSITIONS	PART NUMBER
65.15	72.00	56	-	8	170	3-1934768-6
53.90	60.75	46	-	8	140	3-1934768-5
42.65	48.50	36	-	8	110	3-1934768-4
31.40	38.25	26	-	8	80	3-1934768-3
20.15	27.00	16	-	8	50	3-1934768-2
47.15	54.00	40		8	122	3-1934768-1
65.15	72.00	56	-	3	170	2-1934768-6
53.90	60.75	46	-	3	140	2-1934768-5
42.65	49.50	36	-	3	110	2-1934768-4
31.40	38.25	26	-	3	80	2-1934768-3
20.15	27.00	16	-	3	50	2-1934768-2
47.15	54.00	40		3	122	2-1934768-1
65.15	72.00	-	170	8	170	1-1934768-6
53.90	60.75	-	140	8	140	1-1934768-5
42.65	49.50	-	110	8	110	1-1934768-4
31.40	38.25	-	80	8	80	1-1934768-3
20.15	27.00	-	50	8	50	1-1934768-2
47.15	54.00		122	8	122	1-1934768-1
65.15	72.00	-	170	3	170	1934768-6
53.90	60.75	-	140	3	140	1934768-5
42.65	49.50	-	110	3	110	1934768-4
31.40	38.25	-	80	3	80	1934768-3
20.15	27.00	-	50	3	50	1934768-2
47.15	54.00		122	3	122	1934768-1

CUSTOM LOAD PATTERNS ARE AVAILABLE. CONTACT TYCO ELECTRONICS SALES.

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.1
1 PLC ±0.1
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN D. SZCZESNY 11JAN08
CHK -
APVD -
PRODUCT SPEC 108-2254
APPLICATION SPEC 114-13180
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME CARD EDGE CONNECTOR, VERTICAL 0.75 CENTERLINE

SIZE A2 | CAGE CODE 00779 | DRAWING NO C-1934768 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 3:1 | SHEET 2 OF 4 | REV C

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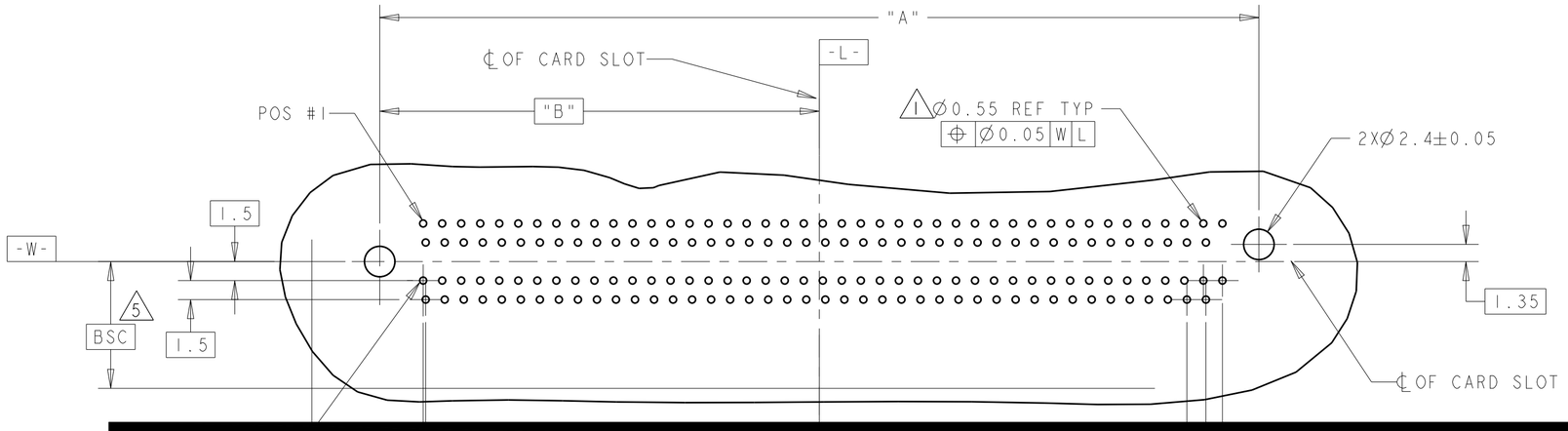
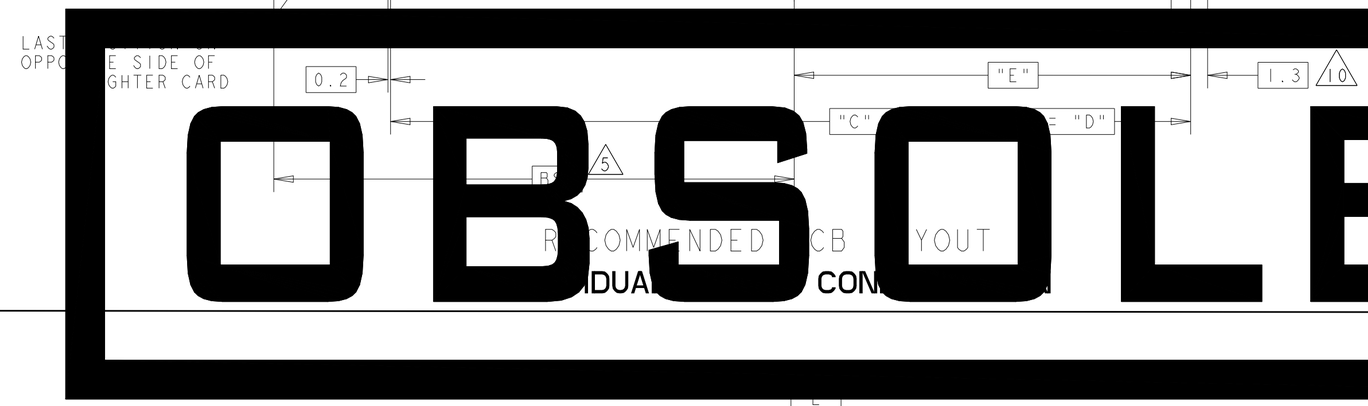
LOC	DIST
CC	00

REVISIONS

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



LAST SIGNAL ON OPPOSITE SIDE OF LIGHTER CARD



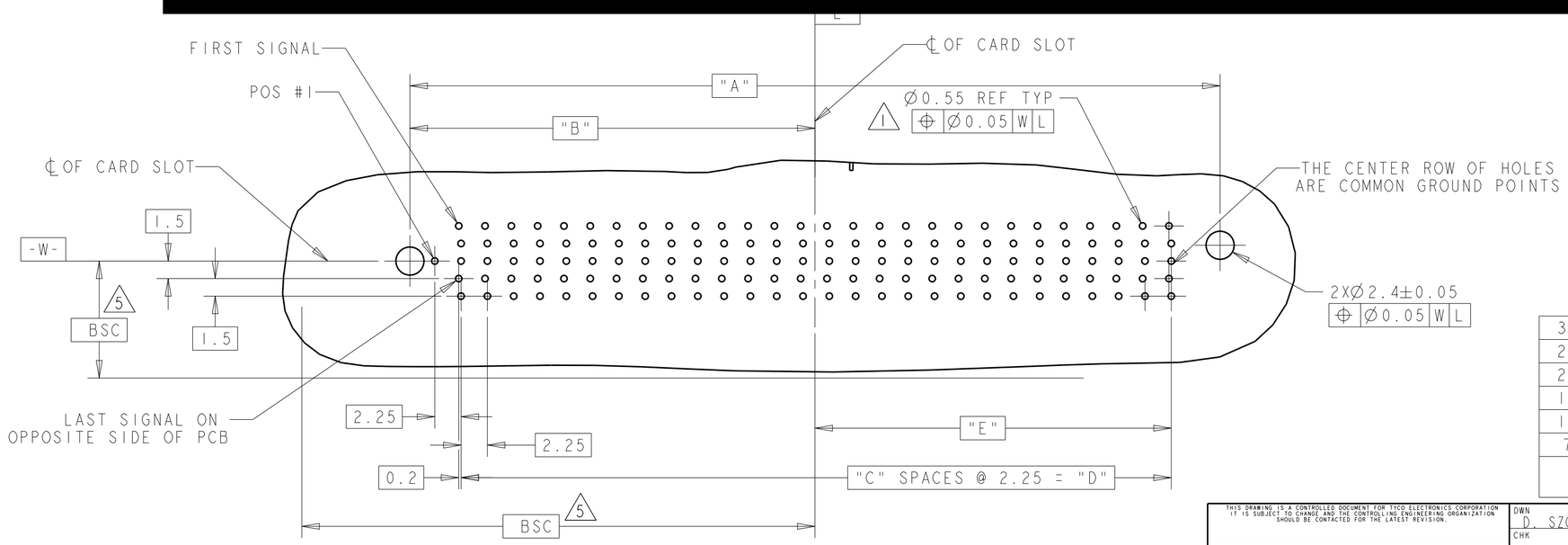
RECOMMENDED PCB LAYOUT

INDIVIDUAL CONNECTOR

DIMENSIONS FOR INDIVIDUAL PCB LAYOUT

[illegible]	[illegible]	[illegible]	34.[illegible]	69.30	170
[illegible]	[illegible]	34	29.[illegible]	58.05	140
21.48	[illegible].50	29	25.[illegible]	51.30	122
19.23	[illegible]	26	23.[illegible]	46.80	110
14.36	[illegible].50	19	17.[illegible]	35.55	80
7.98	[illegible].50	12	12.[illegible]	24.30	50
"E"	[illegible]	[illegible]	"B"	"A"	CONNECTOR SIZE

OBSOLETE



RECOMMENDED PCB LAYOUT

DIFFERENTIAL PAIR CONFIGURATION

DIMENSIONS FOR DIFFERENTIAL PAIR PCB LAYOUT

30.48	60.75	27	34.65	69.30	170
24.86	49.50	22	29.03	58.05	140
21.48	42.75	19	25.65	51.30	122
19.23	38.25	17	23.40	46.80	110
13.61	27.00	12	17.78	35.55	80
7.98	15.75	7	12.15	24.30	50
"E"	"D"	"C"	"B"	"A"	CONNECTOR SIZE

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.1
1 PLC ±0.1
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN D. SZCZESNY 11JAN08
CHK -
APVD -
PRODUCT SPEC 108-2254
APPLICATION SPEC 114-13180
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME CARD EDGE CONNECTOR, VERTICAL 0.75 CENTERLINE

SIZE A2 | CAGE CODE 00779 | DRAWING NO C-1934768 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 3:1 | SHEET 3 OF 4 | REV C

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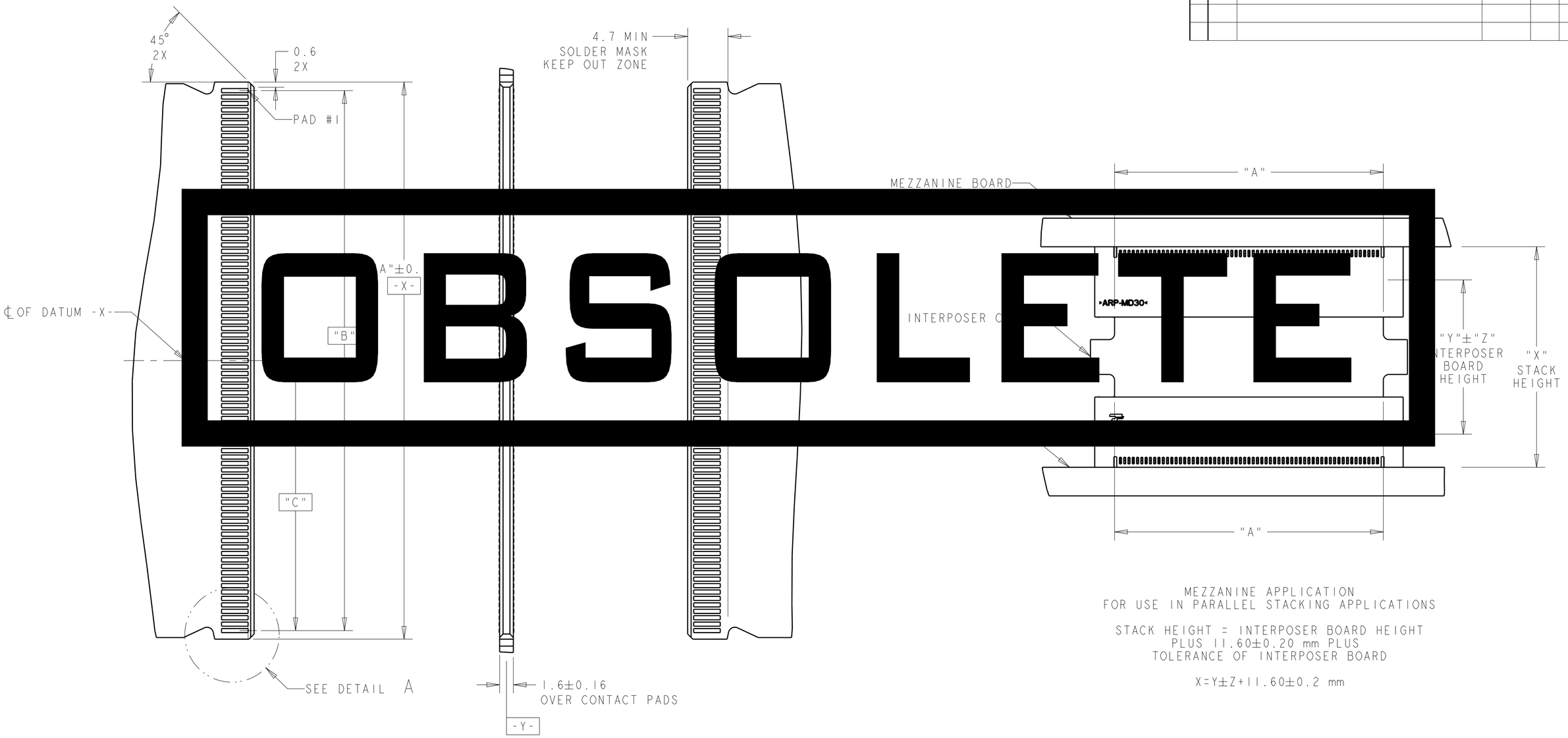
CC	00

REVISIONS

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



OBSOLETE

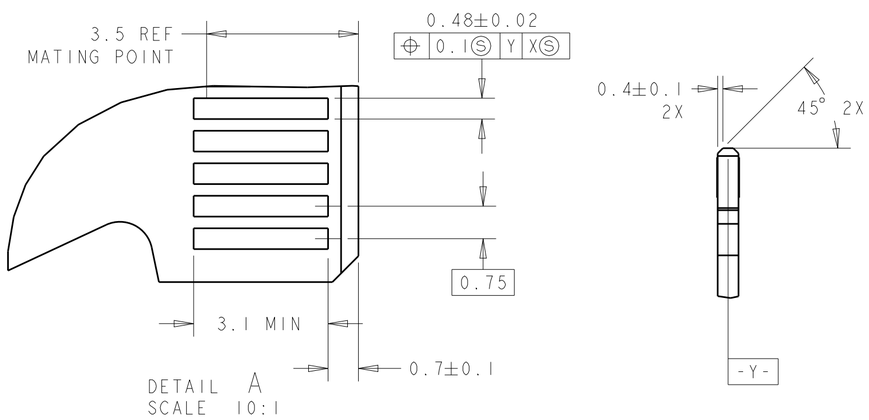
MEZZANINE APPLICATION
FOR USE IN PARALLEL STACKING APPLICATIONS

STACK HEIGHT = INTERPOSER BOARD HEIGHT
PLUS 11.60±0.20 mm PLUS
TOLERANCE OF INTERPOSER BOARD

X=Y±Z+11.60±0.2 mm

RECOMMENDED MATING
PCB LAYOUT

31.50	63.00	65.00	85	170
25.88	51.75	53.75	70	140
22.50	45.00	47.00	61	122
20.25	40.50	42.50	55	110
14.63	29.25	31.25	40	80
9.00	18.00	20.00	25	50
"C"	"B"	"A"	PADS PER SIDE	CONNECTOR SIZE



DETAIL A
SCALE 10:1

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DIMENSIONS: mm

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0 PLC ±0.1
1 PLC ±0.1
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL -
FINISH -

DWN D. SZCZESNY 11JAN08
CHK -
APVD -
PRODUCT SPEC 108-2254
APPLICATION SPEC 114-13180
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CARD EDGE CONNECTOR, VERTICAL
0.75 CENTERLINE
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1934768	-

CUSTOMER DRAWING | SCALE 3:1 | SHEET 4 OF 4 | REV C

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

3-1934768-6