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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

F6

ECR-19-006475

24APR19

T.Q

W.H

NOTES:

1. MATERIAL:

HOUSING: NYLON 66, UL94V-0, COLOR: SEE TABLE.

CONTACT: BRASS, THICKNESS=0.50mm.

2. FINISH:

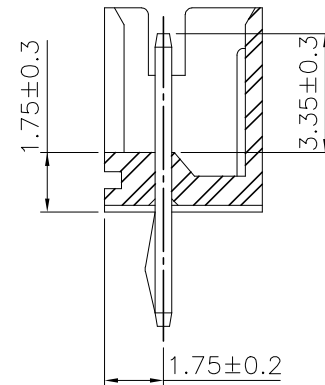
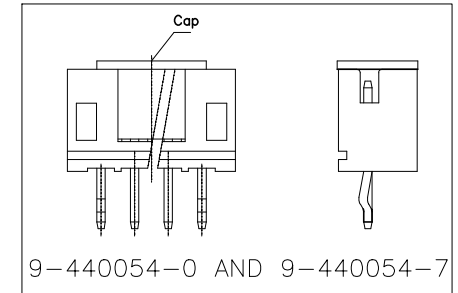
2.03um[80u"] MIN. BRIGHT-TIN PLATING ON CONTACT.

1.27um[50u"] MIN. NICKEL ENTIRE CONTACT UNDERPLATED.

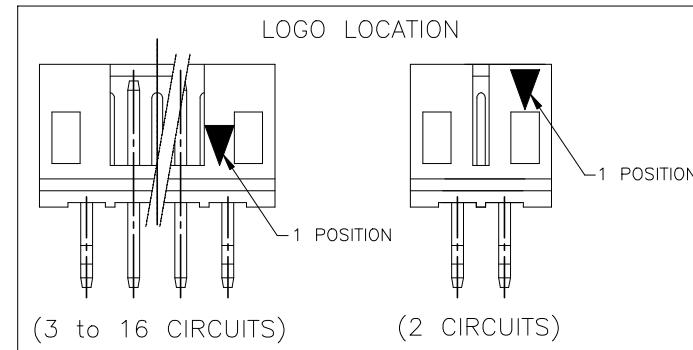
3. WAVE SOLDER CAPABLE TO 265°C PER TEST SPEC.

109-202, CONDITION B.

4. RAISED TYPE PN: 9-440054-2

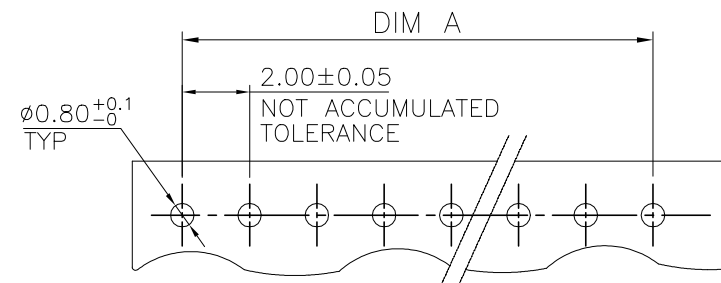
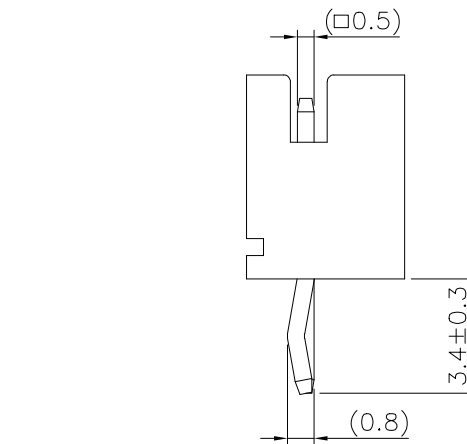
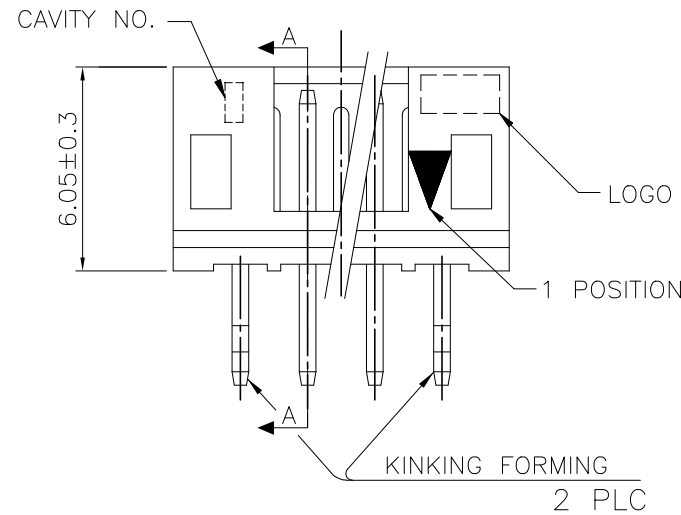
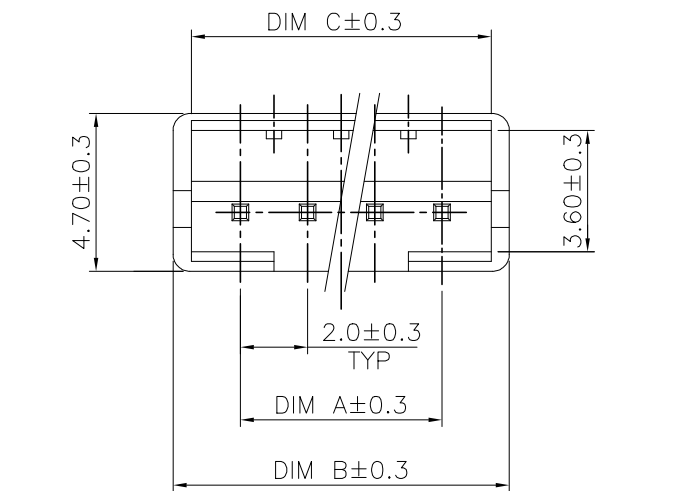


SEC. A-A



OBSOLETE

OBSOLETE



RECOMMENDED PCB LAYOUT
(PCB THK=1.0~1.6)

OBSOLETE	RED	10.90	12.00	8.00	5P	8-440054-9
		8.90	10.00	6.00	4P	8-440054-8
	BLACK	6.90	8.00	4.00	3P	8-440054-7
		4.90	6.00	2.00	2P	8-440054-6
	YELLOW	10.90	12.00	8.00	5P	6-440054-9
		8.90	10.00	6.00	4P	6-440054-8
	BLUE	6.90	8.00	4.00	3P	6-440054-7
		4.90	6.00	2.00	2P	6-440054-6
	NATURAL WHITE	10.90	12.00	8.00	5P	2-440054-9
		8.90	10.00	6.00	4P	2-440054-8
		6.90	8.00	4.00	3P	2-440054-7
		4.90	6.00	2.00	2P	2-440054-6
		32.90	34.00	30.00	16P	5-440054-6
		30.90	32.00	28.00	15P	5-440054-5
		28.90	30.00	26.00	14P	5-440054-4
		26.90	28.00	24.00	13P	5-440054-3
		24.90	26.00	22.00	12P	5-440054-2
		22.90	24.00	20.00	11P	5-440054-1
		20.90	22.00	18.00	10P	5-440054-0
		18.90	20.00	16.00	9P	3-440054-9
		16.90	18.00	14.00	8P	3-440054-8
		14.90	16.00	12.00	7P	3-440054-7
		12.90	14.00	10.00	6P	3-440054-6
		10.90	12.00	8.00	5P	3-440054-5
		8.90	10.00	6.00	4P	3-440054-4
		6.90	8.00	4.00	3P	3-440054-3
		4.90	6.00	2.00	2P	3-440054-2
PACKAGE	COLOR	DIM C	DIM B	DIM A	POS.	PART NUMBER

TAPE REEL	NATURAL WHITE	14.90	16.00	12.00	7P	9-440054-7
	BROWN	10.90	12.00	8.00	5P	4-440054-1
	GREEN	22.90	24.00	20.00	11P	9-440054-3
		10.90	12.00	8.00	5P	9-440054-6
	BLUE	8.90	10.00	6.00	4P	3-440054-1
		6.90	8.00	4.00	3P	440054-1
	RED	18.90	20.00	16.00	9P	2-440054-1
		16.90	18.00	14.00	8P	2-440054-0
	BLACK	16.90	18.00	14.00	8P	8-440054-0
		10.90	12.00	8.00	5P	8-440054-5
		8.90	10.00	6.00	4P	8-440054-4
		6.90	8.00	4.00	3P	8-440054-3
	YELLOW	10.90	12.00	8.00	5P	6-440054-5
		8.90	10.00	6.00	4P	6-440054-4
	BLUE	6.90	8.00	4.00	3P	6-440054-3
		4.90	6.00	2.00	2P	6-440054-2
		24.90	26.00	22.00	12P	7-440054-6
		22.90	24.00	20.00	11P	7-440054-5
		20.90	22.00	18.00	10P	7-440054-4
		18.90	20.00	16.00	9P	7-440054-3
		16.90	18.00	14.00	8P	7-440054-2
		14.90	16.00	12.00	7P	7-440054-1
		12.90	14.00	10.00	6P	7-440054-0
		10.90	12.00	8.00	5P	4-440054-5
		8.90	10.00	6.00	4P	4-440054-4
		6.90	8.00	4.00	3P	4-440054-3
		4.90	6.00	2.00	2P	4-440054-2
		10.90	12.00	8.00	5P	2-440054-5
		8.90	10.00	6.00	4P	2-440054-4
		6.90	8.00	4.00	3P	2-440054-3
		4.90	6.00	2.00	2P	2-440054-2
		20.90	22.00	18.00	10P	9-440054-0
TAPE REEL	NATURAL WHITE	32.90	34.00	30.00	16P	1-440054-6
		30.90	32.00	28.00	15P	1-440054-5
		28.90	30.00	26.00	14P	1-440054-4
		26.90	28.00	24.00	13P	1-440054-3
		24.90	26.00	22.00	12P	1-440054-2
		22.90	24.00	20.00	11P	1-440054-1
		20.90	22.00	18.00	10P	1-440054-0
		18.90	20.00	16.00	9P	440054-9
		16.90	18.00	14.00	8P	440054-8
		14.90	16.00	12.00	7P	440054-7
		12.90	14.00	10.00	6P	440054-6
		10.90	12.00	8.00	5P	440054-5
		8.90	10.00	6.00	4P	440054-4
		6.90	8.00	4.00	3P	440054-3
		4.90	6.00	2.00	2P	440054-2
PACKAGE	COLOR	DIM C	DIM B	DIM A	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± - 1 PLC ± 0.3 2 PLC ± 0.2 3 PLC ± 0.15 4 PLC ± - ANGLES ± 3°
MATERIAL SEE NOTE	FINISH SEE NOTE

DWN O. HU 16JUL2004	CHK S. HOU 16JUL2004	APVD W.J. KE 16JUL2004
PRODUCT SPEC 108-57100		
APPLICATION SPEC		
WEIGHT - GRAMS		
CUSTOMER DRAWING		

TE Connectivity

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE A3	CAGE CODE 00779	DRAWING NO C-440054	RESTRICTED TO F6
SCALE -	SHEET 1 OF 9	REV F6	

D

C

B

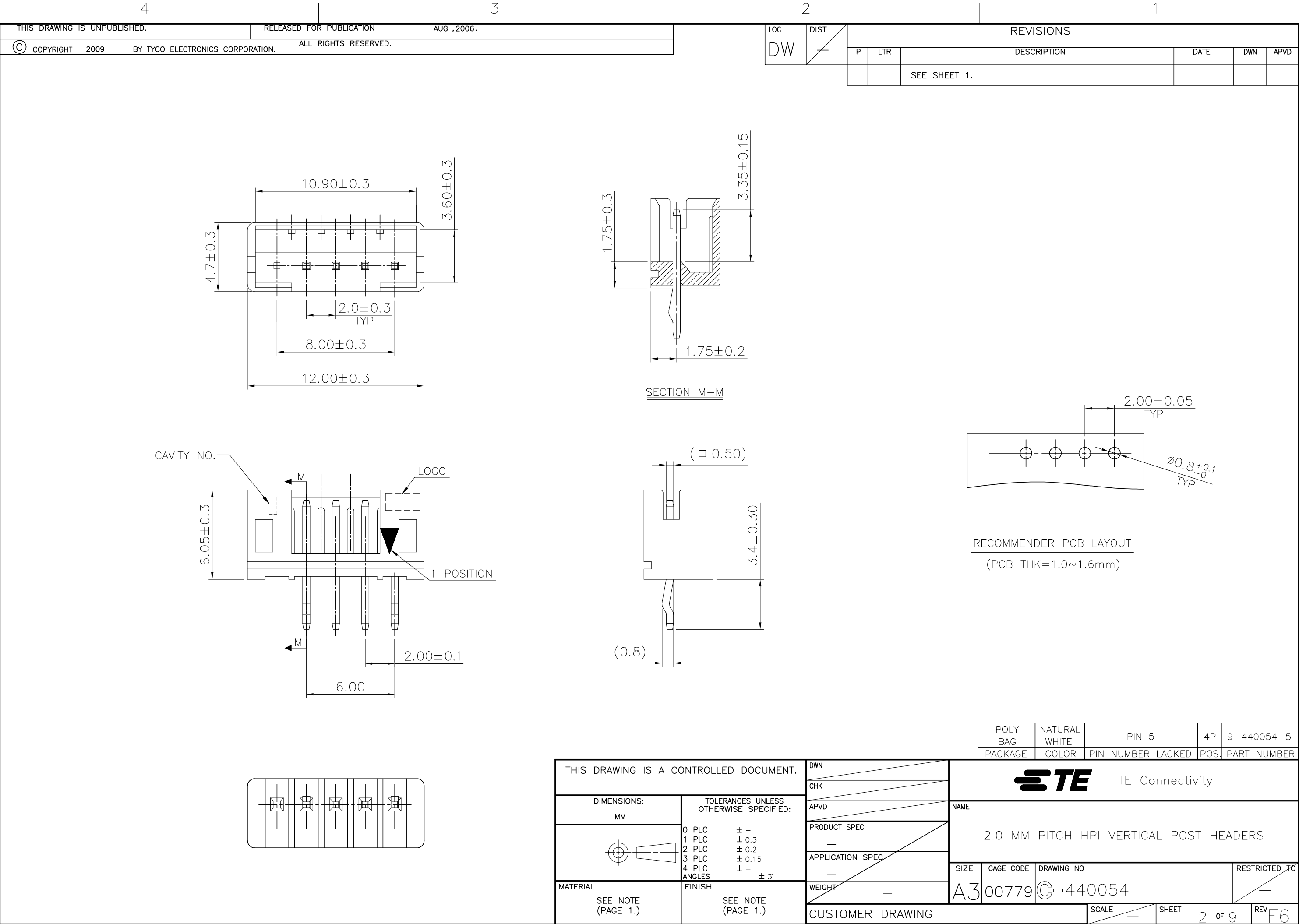
A

D

C

B

A



D

C

B

A

D

C

B

A

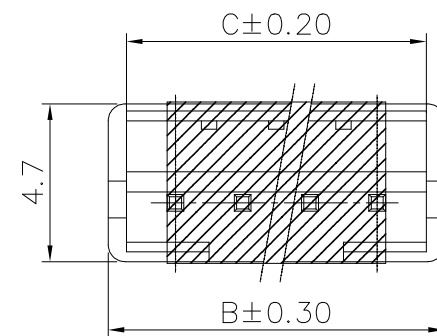
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LOC		DIST		REVISIONS			
DW		—		P		LTR	
				DESCRIPTION		DATE	
				SEE SHEET 1.		DWN	
						APVD	

RECOMMENDED PCB LAYOUT
(PCB THK=1.0MM~1.6MM)

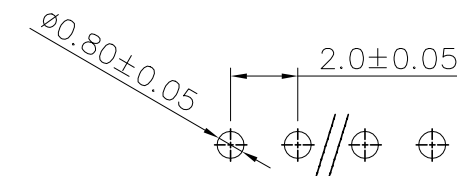
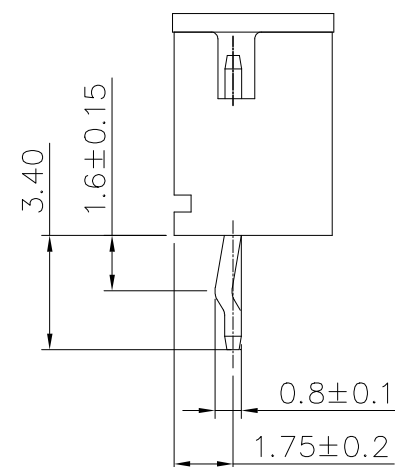
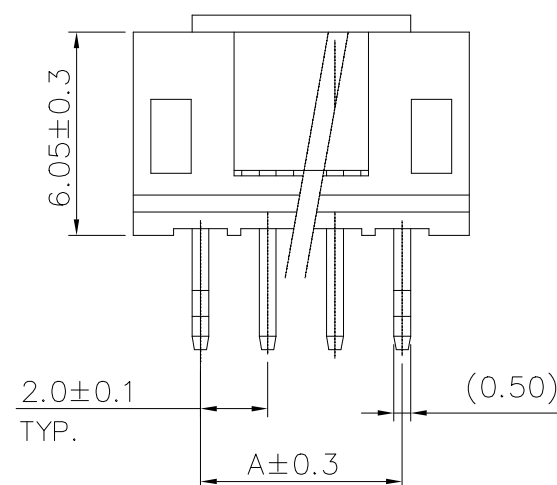
POLY BAG	NATURAL WHITE	2P	9-440054-2
PACKAGE	COLOR	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN		TE Connectivity	
DIMENSIONS: MM		CHK			
		APVD			
		PRODUCT SPEC			
MATERIAL SEE NOTE (PAGE 1.)		APPLICATION SPEC		NAME	
		WEIGHT		2.0 MM PITCH HPI VERTICAL POST HEADERS	
FINISH SEE NOTE (PAGE 1.)		CUSTOMER DRAWING		SIZE A3	
				CAGE CODE 00779	
				DRAWING NO C=440054	
				RESTRICTED TO	
				REV F6	
				SHEET 3 OF 9	
				SCALE —	

AMP 1470-19 REV 31MAR2000



3. (SMT) REFLOW PROCESS NEED AFFORD 260°C.



RECOMMENDED PCB LAYOUT (PCB THK=1.0MM~1.6MM)

WITHOUT	TAPE REEL	NATURAL WHITE	8.90	10.00	6.00	4P	9-440054-1
WITH	TAPE REEL	NATURAL WHITE	8.90	10.00	6.00	4P	9-440054-4
CAP	PACKAGE	COLOR	DIM. C	DIM. B	DIM. A	POS.	PART NUMBER

CUSTOMER DRAWING

0 PLC	$\pm -$
1 PLC	± 0.3
2 PLC	± 0.2
3 PLC	± 0.15
4 PLC	$\pm -$
ANGLES	$+ 3^\circ$

SEE NOTE
(PAGE 1.)

SEE NOTE
(PAGE 1.)



TE Connectivity

A3

00779

9 | C-440054

REV F6

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1.

POLY BAG

CARTON

340mm(L)X 470mm(W)X 178mm(H)
(FOR HEADER 2P~5P ONLY)

340mm(L)X 470mm(W)X 365mm(H)
(FOR HEADER 6P~16P ONLY)

INEER BOX

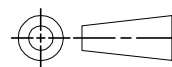
320mm(L)X 220mm(W)X 155mm(H)

17,600	550	5P	4-440054-1
18,000	250	11P	9-440054-3
20,800	650	4P	3-440054-1
27,000	750	3P	440054-1
17,600	550	5P	8-440054-5
22,400	350	8P	2-440054-0
22,400	350	8P	8-440054-0
17,600	550	4P	9-440054-5
40,000	1,000	2P	9-440054-2
17,600	550	5P	8-440054-5
20,800	650	4P	8-440054-4
27,000	750	3P	8-440054-3
40,000	1,000	2P	8-440054-2
17,600	550	5P	6-440054-5
20,800	650	4P	6-440054-4
27,000	750	3P	6-440054-3
40,000	1,000	2P	6-440054-2
16,000	250	12P	7-440054-6
18,000	250	11P	7-440054-5
19,200	300	10P	7-440054-4
22,400	350	9P	7-440054-3
22,400	350	8P	7-440054-2
25,600	400	7P	7-440054-1
28,800	450	6P	7-440054-0
17,600	550	5P	4-440054-5
20,800	650	4P	4-440054-4
27,000	750	3P	4-440054-3
40,000	1,000	2P	4-440054-2
17,600	550	5P	2-440054-5
20,800	650	4P	2-440054-4
27,000	750	3P	2-440054-3
40,000	1,000	2P	2-440054-2
12,000	200	16P	1-440054-6
12,000	200	15P	1-440054-5
12,800	200	14P	1-440054-4
15,000	250	13P	1-440054-3
16,000	250	12P	1-440054-2
18,000	250	11P	1-440054-1
19,200	300	10P	1-440054-0
22,400	350	9P	440054-9
22,400	350	8P	440054-8
25,600	400	7P	440054-7
28,800	450	6P	440054-6
17,600	550	5P	440054-5
20,800	650	4P	440054-4
27,000	750	3P	440054-3
40,000	1,000	2P	440054-2
APQ (PCS/CARTON)	PPQ (PCS/BAG)	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

MM



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL

FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



TE Connectivity

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=440054

SCALE

SHEET

5 OF 9

REV F6

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LOC

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REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1.

CARTON

470 mm(L)X 340mm(W)X 178mm(H)

450

4.30

6.20

7.50

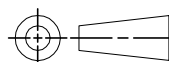
11.50

TUBE

20,280	30	5P	8-440054-9
27,040	40	4P	8-440054-8
33,800	50	3P	8-440054-7
43,940	65	2P	8-440054-6
20,280	30	5P	6-440054-9
27,040	40	4P	6-440054-8
33,800	50	3P	6-440054-7
43,940	65	2P	6-440054-6
20,280	30	5P	4-440054-9
27,040	40	4P	4-440054-8
33,800	50	3P	4-440054-7
43,940	65	2P	4-440054-6
20,280	30	5P	2-440054-9
27,040	40	4P	2-440054-8
33,800	50	3P	2-440054-7
43,940	65	2P	2-440054-6
6,760	10	16P	5-440054-6
8,112	12	15P	5-440054-5
8,112	12	14P	5-440054-4
8,788	13	13P	5-440054-3
10,140	15	12P	5-440054-2
10,816	16	11P	5-440054-1
12,168	18	10P	5-440054-0
13,520	20	9P	3-440054-9
14,872	22	8P	3-440054-8
16,900	25	7P	3-440054-7
18,928	28	6P	3-440054-6
20,280	30	5P	3-440054-5
27,040	40	4P	3-440054-4
33,800	50	3P	3-440054-3
43,940	65	2P	3-440054-2
APQ (PCS/CARTON)	PPQ (PCS/TUBE)	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MM



MATERIAL

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -

FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



TE Connectivity

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

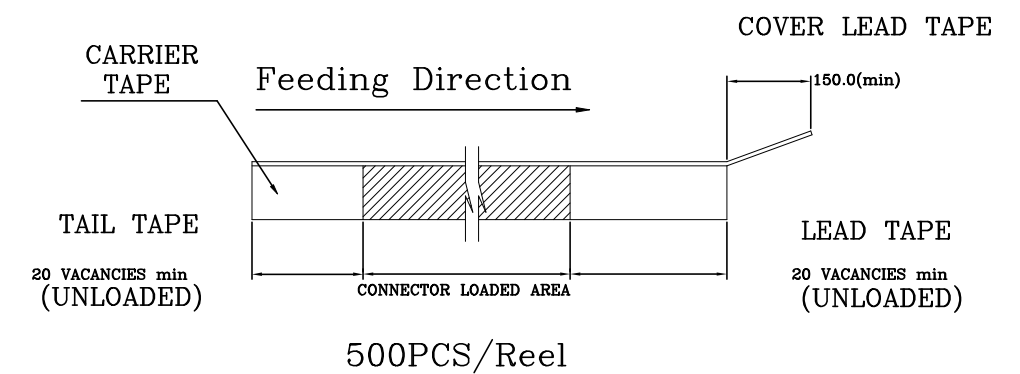
C=440054

SCALE

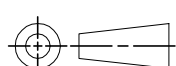
SHEET

6 OF 9

REV F6



12.0	WITH	2000	500	4P	9-440054-4
DIM.A	CAP	APQ (PCS/CARTON)	PPQ (PCS/REEL)	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN		TE Connectivity											
DIMENSIONS: MM		CHK													
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD													
		PRODUCT SPEC		NAME 2.0 MM PITCH HPI VERTICAL POST HEADERS											
		—													
		APPLICATION SPEC													
MATERIAL		WEIGHT		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO					
FINISH		—		A3		00779		C-440054		—					
CUSTOMER DRAWING										SCALE		SHEET		REV	
										—		7 OF 9		F6	

D

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B

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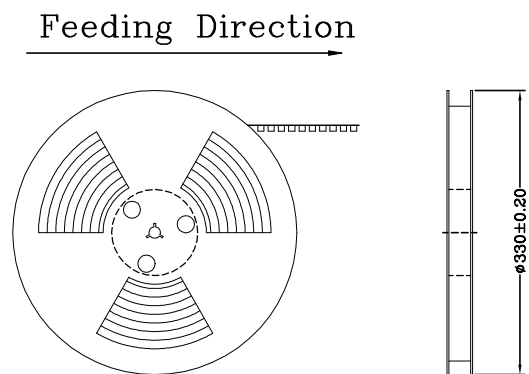
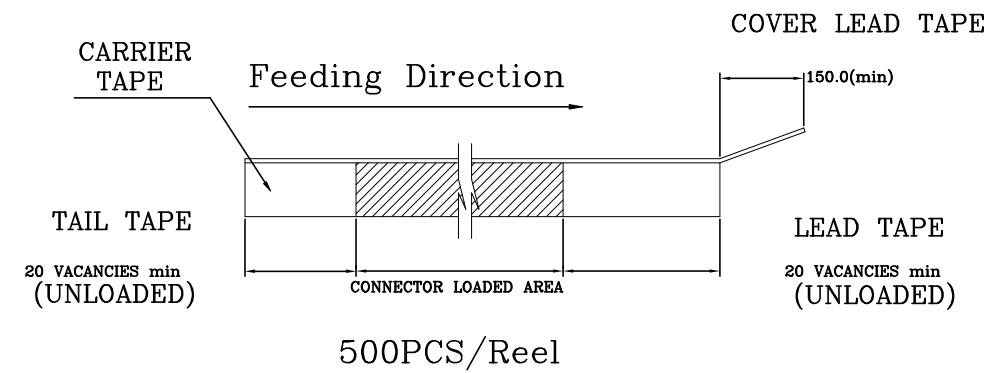
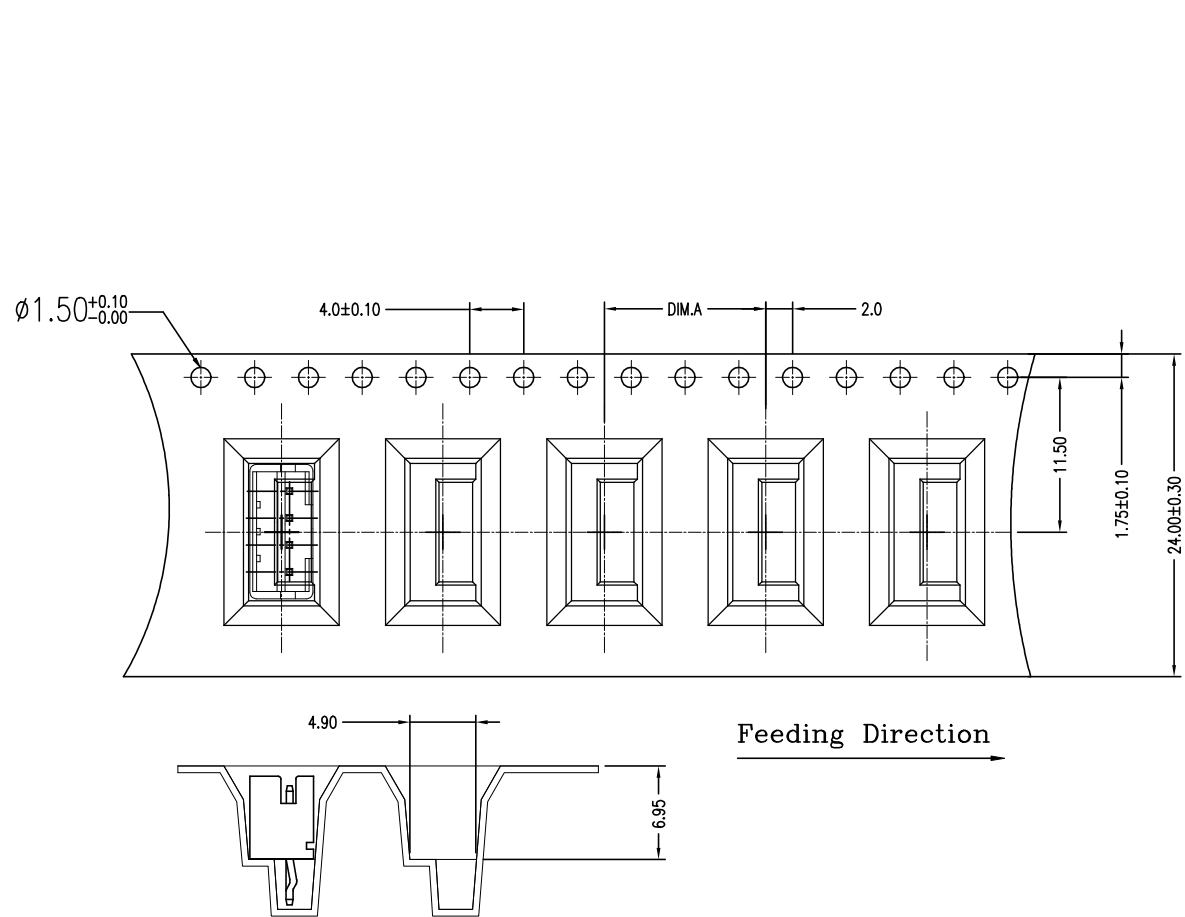
D

C

B

A

LOC	DIST	REVISIONS				
DW		P	LTR	DESCRIPTION	DATE	DWN
				SEE SHEET 1.		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TE Connectivity			
DIMENSIONS:		CHK				
MM		APVD				
		PRODUCT SPEC	2.0 MM PITCH HPI VERTICAL POST HEADERS			
		APPLICATION SPEC				
		WEIGHT				
MATERIAL		FINISH	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
			A3	00779	C=440054	
			CUSTOMER DRAWING			SCALE
						SHEET
						8 OF 9
						REV
						F5

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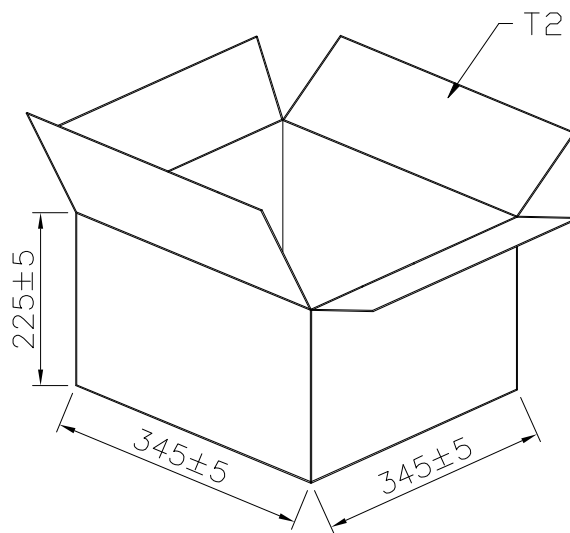
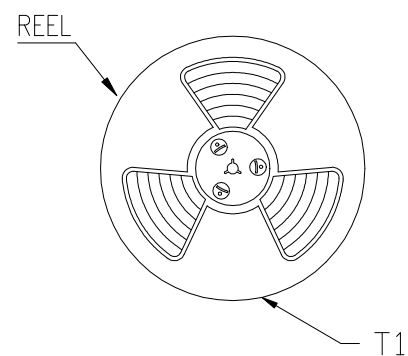
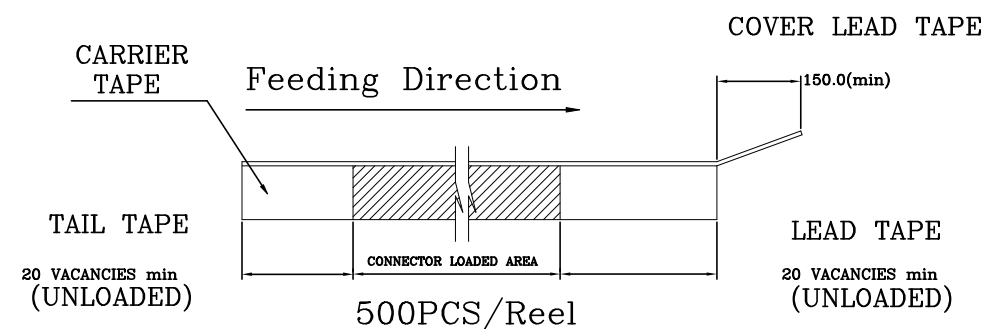
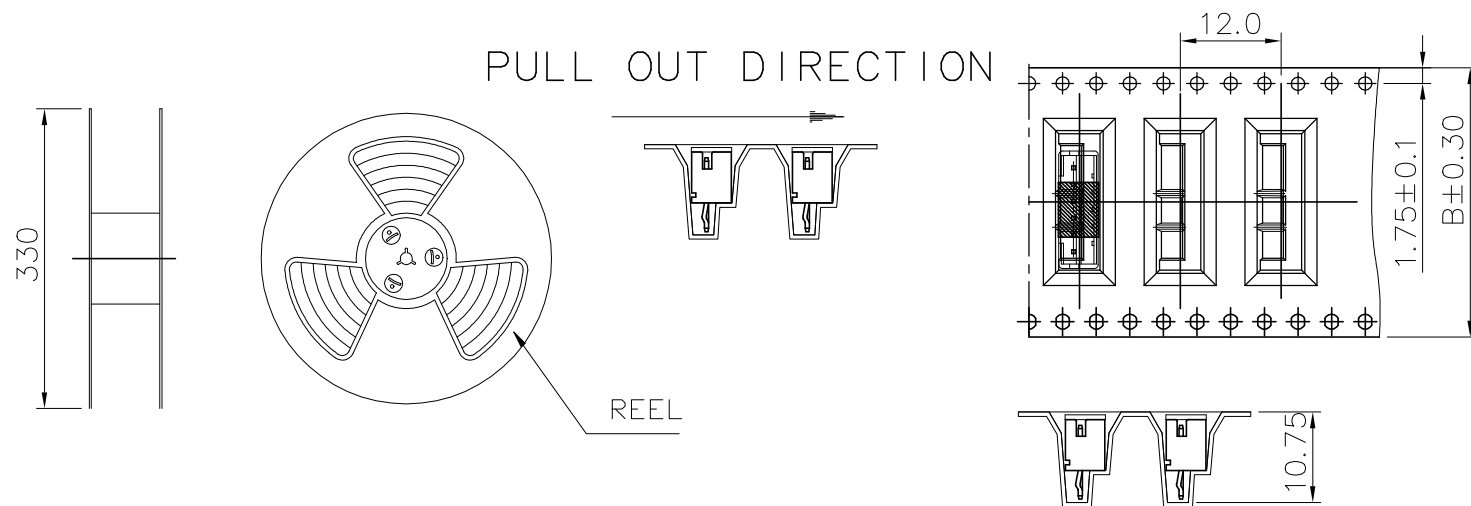
DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1.

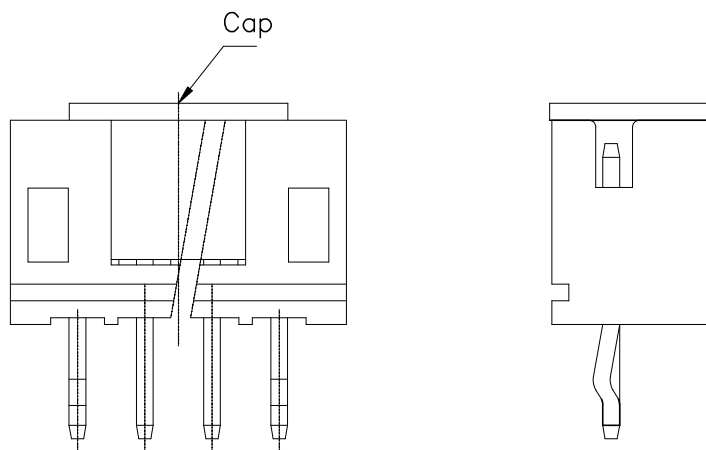


H(mm)	POS	B(mm)	PCS./REEL	PCS/CARTON-T2
225	10P	44	500 PCS.	500X4=2000PCS.
125	7P	32	500 PCS.	500X3=1500PCS.

NOTE:

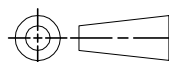
9-440054-0 10POS WAVE SOLDER PART CAP TYPE.

32.0	1500	500	7P	9-440054-7
44.0	2000	500	10P	9-440054-0
B(mm)	APQ (PCS/CARTON)	PPQ (PCS/REEL)	POS.	PART NUMBER



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MM



TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL

FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



TE Connectivity

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=440054

SCALE

SHEET

9 of 9

REV F6