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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

F9

ECR-23-187788

28JUN23

C.K

H.L

NOTES:

1. MATERIAL:

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

CONTACT: BRASS, THICKNESS=0.50mm.

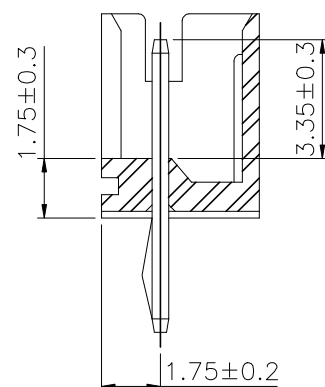
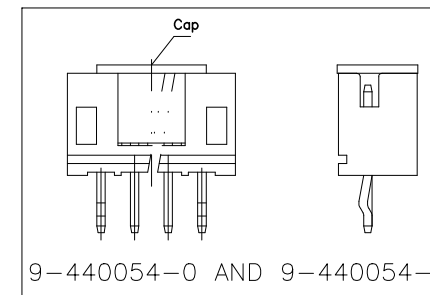
2. FINISH:

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

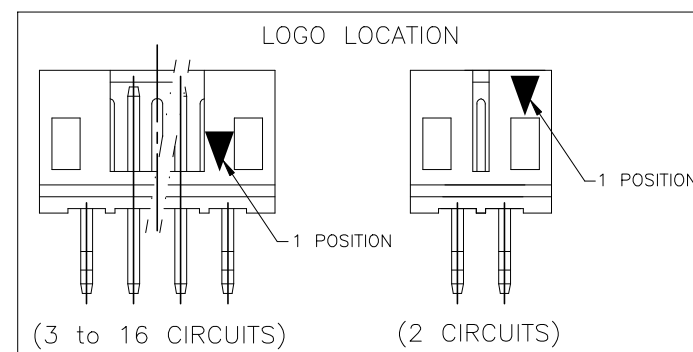
1.27um[50u"] MIN. NICKEL ENTIRE CONTACT UNDERPLATED.

3. WAVE SOLDER SPEC REFER TO 108-57100.

4. RAISED TYPE PN: 9-440054-2.

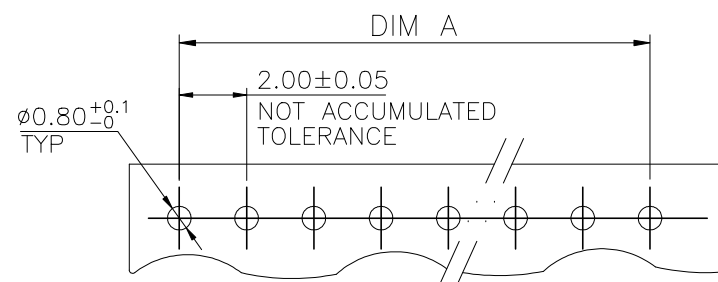
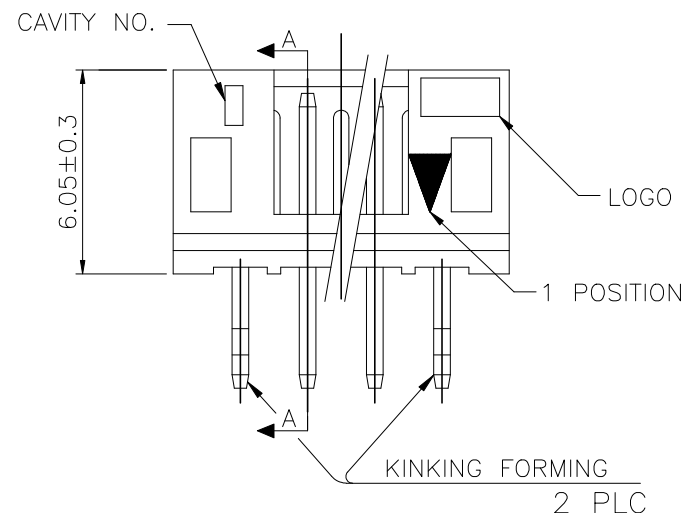


SEC. A-A



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	4-440054-9
		8.90	10.00	6.00	4P	4-440054-8
		6.90	8.00	4.00	3P	4-440054-7
		4.90	6.00	2.00	2P	4-440054-6
		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	4.90	6.00	2.00	2P	8-440054-2
		10.90	12.00	8.00	5P	6-440054-5
		8.90	10.00	6.00	4P	6-440054-4
		6.90	8.00	4.00	3P	6-440054-3
	BLUE	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
	NATURAL WHITE	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
TAPE REEL	NATURAL WHITE	20.90	22.00	18.00	10P	9-440054-0
		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
		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	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=440054	
SCALE		SHEET	REV
—		1 OF 10	F9

D

C

B

A

D

C

B

A

4		3		2		1	
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LOC		DIST		REVISIONS			
DW		—		P LTR		DESCRIPTION	
						DATE	
						DWN	
						APVD	
						SEE SHEET 1.	

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			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD			
0 PLC ± -		PRODUCT SPEC		NAME	
1 PLC ± 0.3		—			
2 PLC ± 0.2		APPLICATION SPEC			
3 PLC ± 0.15		—		SIZE	
4 PLC ± -		WEIGHT		CAGE CODE	
ANGLES ± 3°		—		DRAWING NO	
MATERIAL		FINISH		RESTRICTED TO	
SEE NOTE (PAGE 1.)		SEE NOTE (PAGE 1.)		A300779C-440054	
		CUSTOMER DRAWING		SCALE	
				SHEET	
				3 OF 10	
				REV F9	

AMP 1470-19 REV 31MAR2000

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

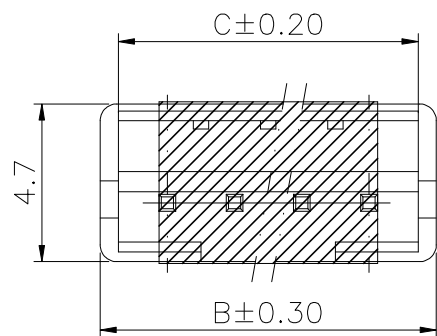
DWN

APVD

SEE SHEET 1.

D

D



9-440054-1 & 9-440054-4

NOTES:

1. MATERIAL:

HOUSING: NYLON 6T, UL94V-0, COLOR: SEE TABLE.

CONTACT: BRASS, THICKNESS=0.50mm.

△ FINISH:

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

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

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

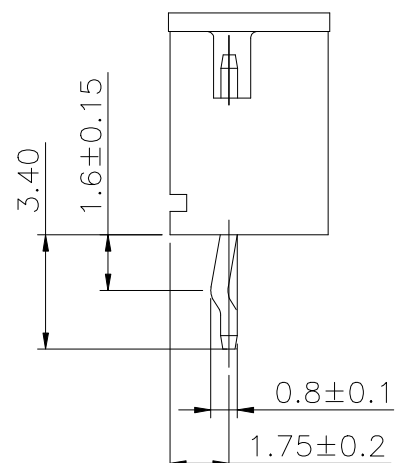
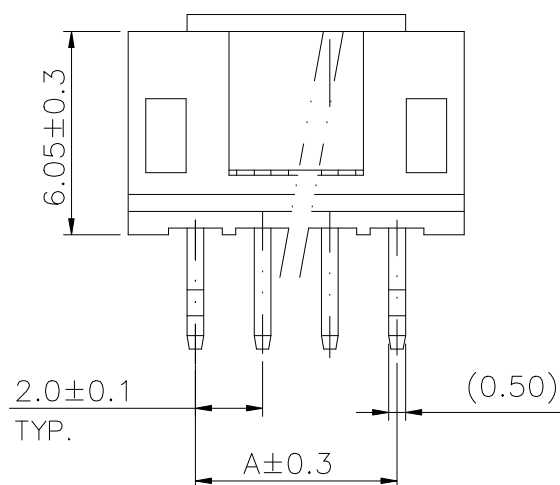
△ FINISH:

0.762um[30u"] GOLD PLATING OVER ALL.

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

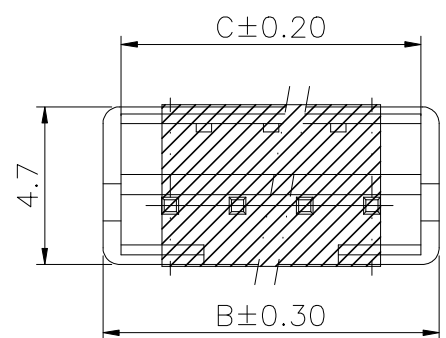
C

C

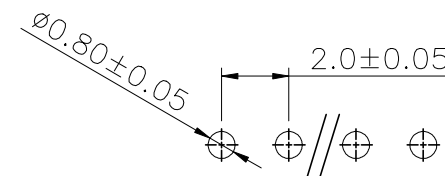


B

B



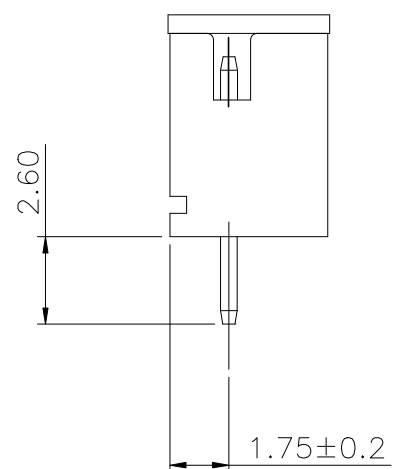
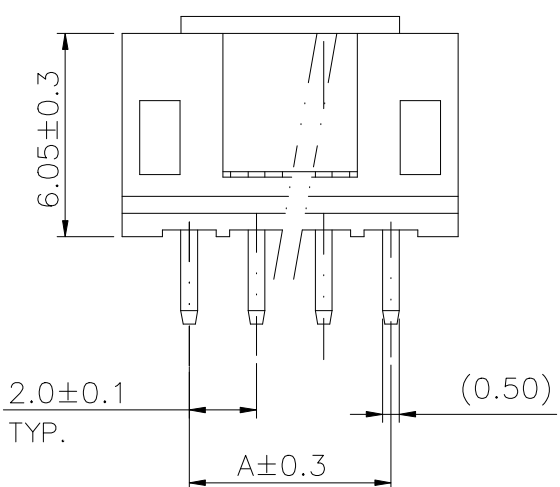
8-440054-7 & 8-440054-6



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

A

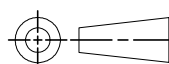
A



△4	WITH	TAPE REEL	NATURAL WHITE	14.90	16.00	12.00	7P	8-440054-7
△4	WITH	TAPE REEL	NATURAL WHITE	8.90	10.00	6.00	4P	8-440054-6
△2	WITHOUT	TAPE REEL	NATURAL WHITE	8.90	10.00	6.00	4P	9-440054-1
△2	WITH	TAPE REEL	NATURAL WHITE	8.90	10.00	6.00	4P	9-440054-4
FINISH	CAP	PACKAGE	COLOR	DIM C	DIM B	DIM A	POS	PART NUMBER

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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
(PAGE 1.)

FINISH

SEE NOTE
(PAGE 1.)

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

A300779

C=440054

SCALE

SHEET

4 OF 10

REV F9

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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.

DWN	CHK	APVD	PRODUCT SPEC	APPLICATION SPEC	WEIGHT	CUSTOMER DRAWING
SCALE — SHEET 5 OF 10 REV F9						



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 10

REV F9

4

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DIST

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

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DWN

CHK

APVD

PRODUCT SPEC

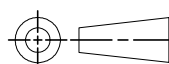
APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:

MM



MATERIAL

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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

FINISH



TE Connectivity

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

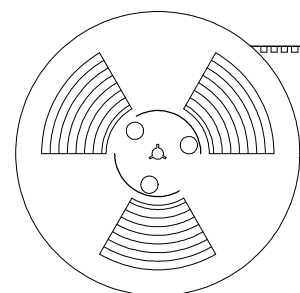
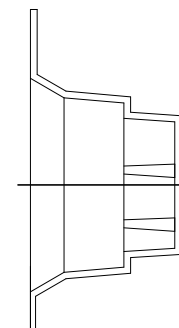
C=440054

SCALE

SHEET

6 OF 10

REV F9



330±0.20—

12.0	WITH	2000	500	4P	8-440054-6
12.0	WITH	2000	500	4P	9-440054-4
DIM.A	CAP	APQ (PCS/CARTON)	PPQ (PCS/REEL)	POS.	PART NUMBER

CUSTOMER DRAWING

1	PLC	$\pm$ -
2	PLC	$\pm$ -
3	PLC	$\pm$ -
4	PLC	$\pm$ -
ANGLES		$\pm$ -

FINISH

TE Connectivity

2.0 MM PITCH HPI VERTICAL POST HEADERS

REV F9

D

C

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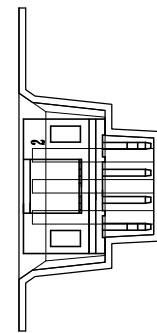
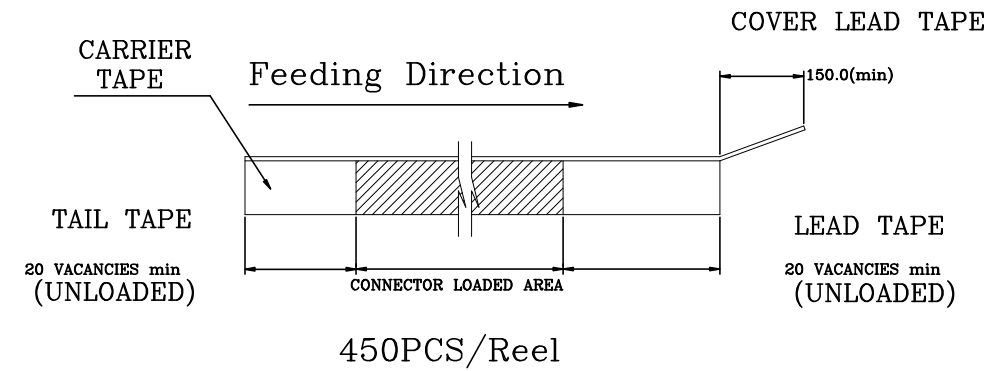
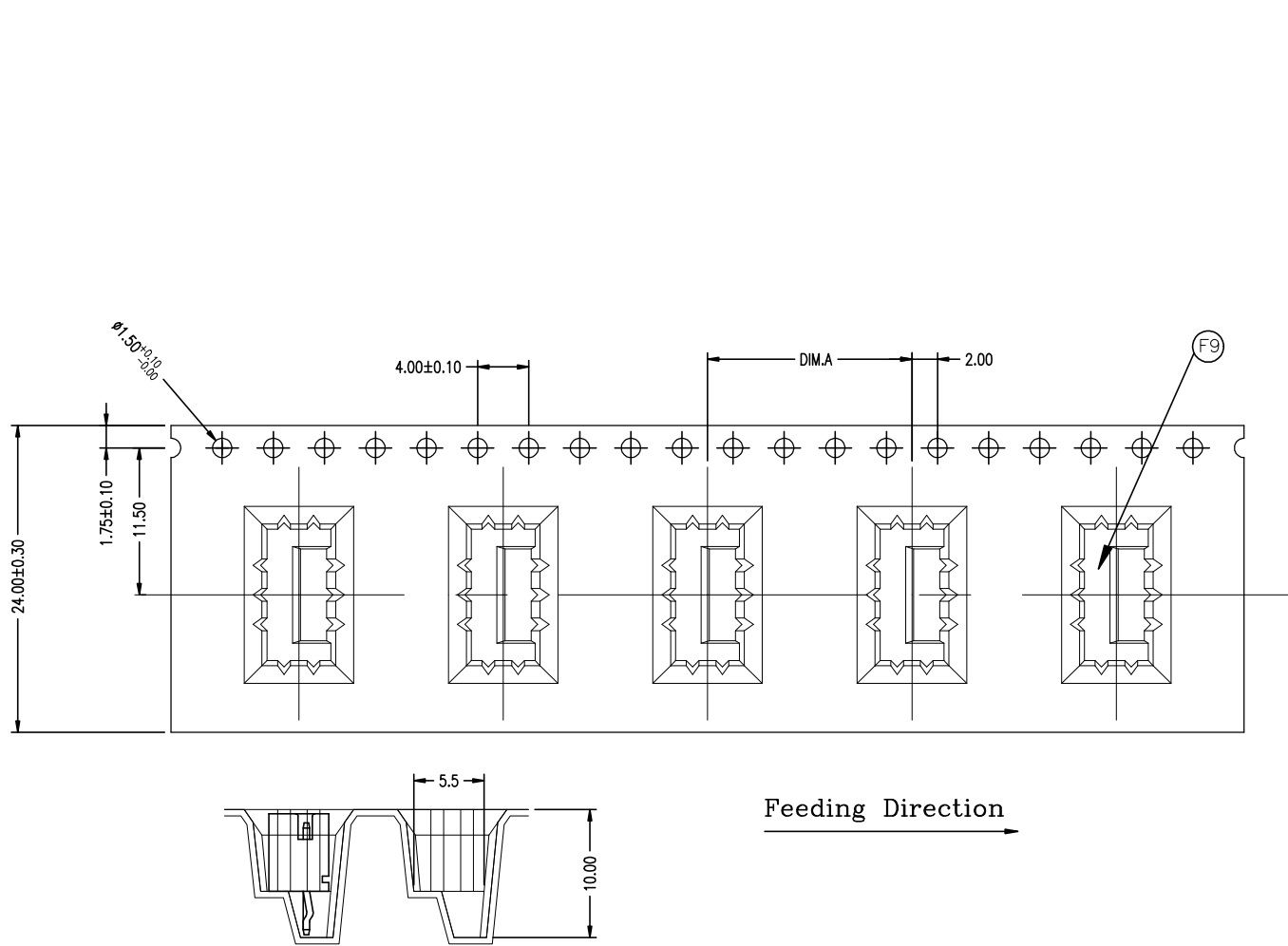
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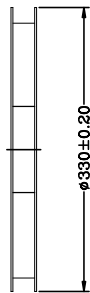
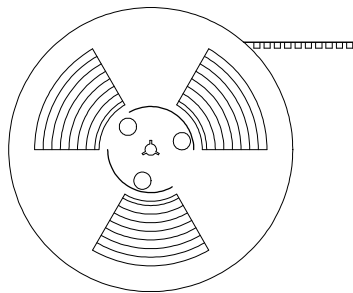
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LOC	DIST	REVISIONS				
DW		P	LTR	DESCRIPTION	DATE	DWN
				SEE SHEET 1.		



Feeding Direction



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TE Connectivity			
DIMENSIONS:		CHK				
MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	NAME			
	0 PLC ± -	PRODUCT SPEC	2.0 MM PITCH HPI VERTICAL POST HEADERS			
	1 PLC ± -	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
	2 PLC ± -	WEIGHT	A3	00779	C=440054	
	3 PLC ± -	CUSTOMER DRAWING	SCALE			
	4 PLC ± -		SHEET 8 OF 10			
MATERIAL	FINISH		REV F9			

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1

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AUG ,2006.



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LOC

DIST

REVISIONS

P

LTR

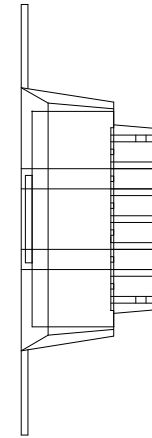
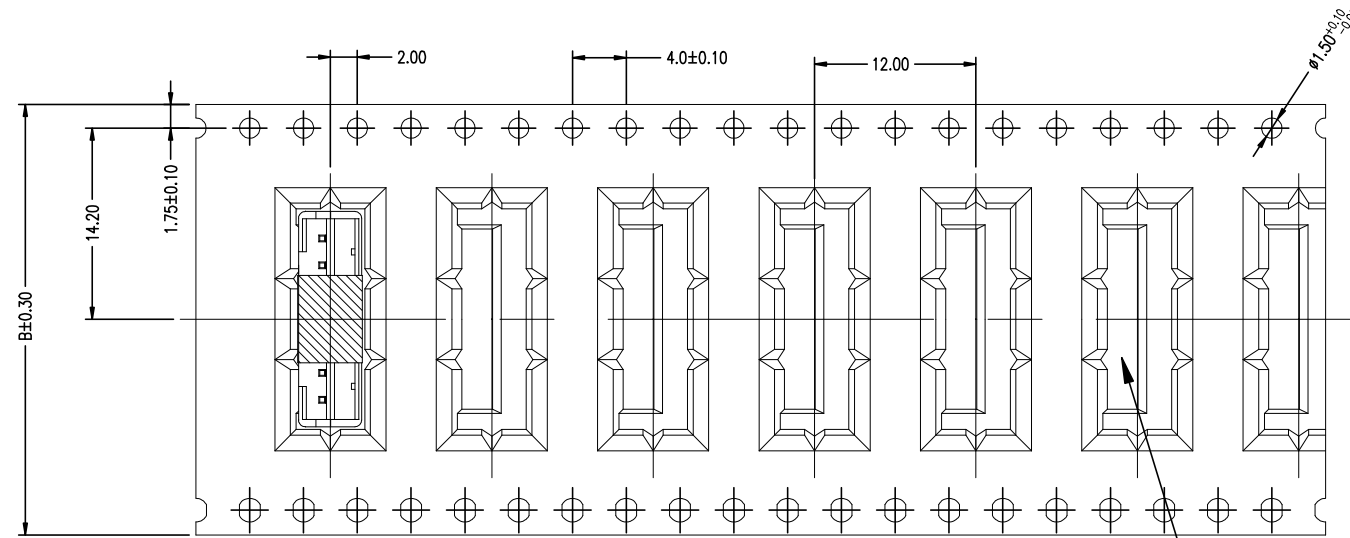
DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1.



CARRIER TAPE

Feeding Direction

COVER LEAD TAPE

TAIL TAPE

20 VACANCIES min (UNLOADED)

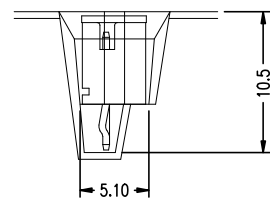
500PCS/Reel

LEAD TAPE

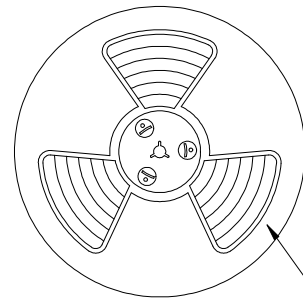
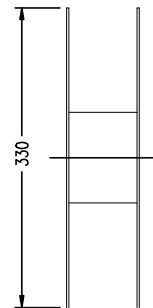
20 VACANCIES min (UNLOADED)

CONNECTOR LOADED AREA

150.0(min)

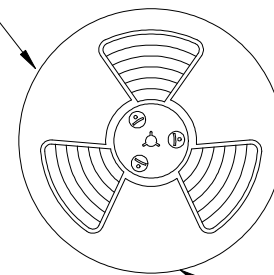


Feeding Direction

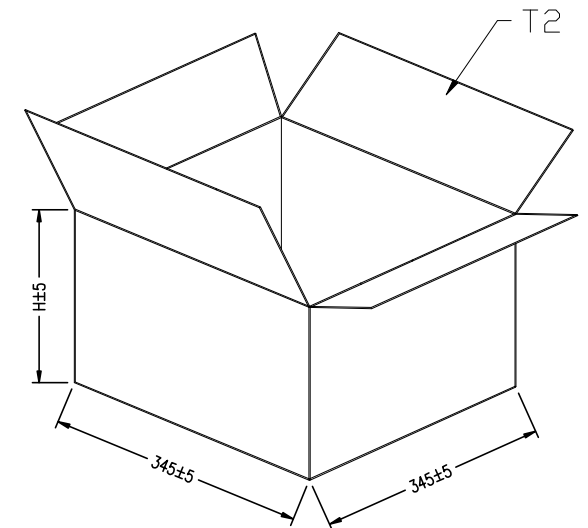
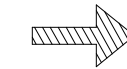


REEL

REEL



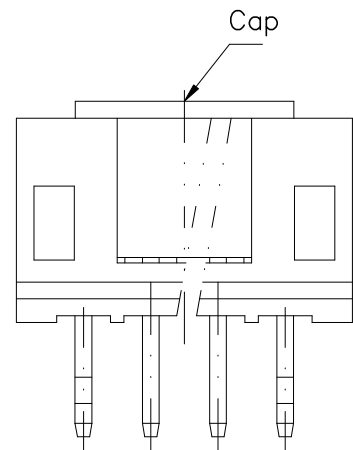
T1



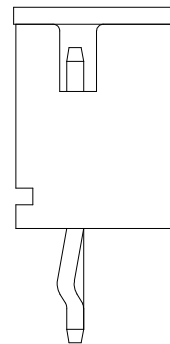
T2

NOTE:

8-/9-440054-7 7POS WAVE SOLDER PART CAP TYPE.



Cap



H(mm)	POS	PCS./REEL	PCS/CARTON-T2	32.0	1500	500	7P	8-440054-7
125	7P	500 PCS.	500X3=1500PCS.	32.0	1500	500	7P	9-440054-7
				B(mm)	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						
0 PLC ± -		PRODUCT SPEC						
1 PLC ± -		—	NAME					
2 PLC ± -		APPLICATION SPEC	2.0 MM PITCH HPI VERTICAL POST HEADERS					
3 PLC ± -		—	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
4 PLC ± -		WEIGHT	A3	00779	C=440054	—		
ANGLES ± -		CUSTOMER DRAWING	SCALE	—	SHEET	9 OF 10		
MATERIAL		FINISH	REV F9					

4

3

2

1

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DESCRIPTION

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DWN

APVD

SEE SHEET 1.

Feeding Direction

$\phi 1.50^{+0.10}_{-0.00}$

4.0 ± 0.10

12.0

2.0

1.75 ± 0.1

21.20

$B \pm 0.30$

F9

4.90

10.75

330

REEL

REEL

REEL

CARRIER
TAPE

Feeding Direction

COVER LEAD TAPE

150.0(min)

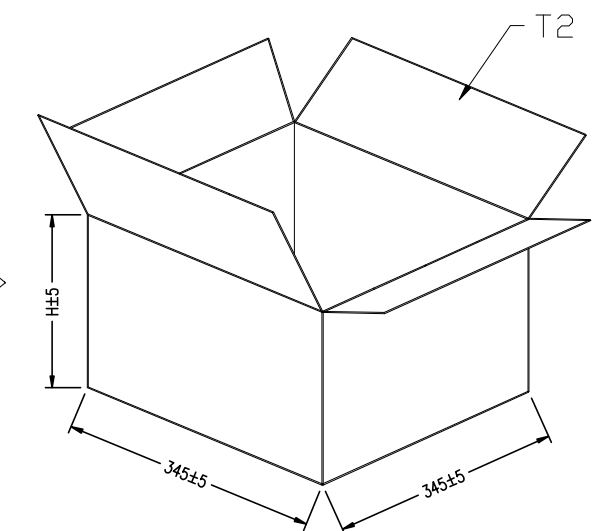
TAIL TAPE

20 VACANCIES min
(UNLOADED)

500PCS/Reel

LEAD TAPE

20 VACANCIES min
(UNLOADED)



NOTE:

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

F9 ADD SHEET 10/10

H(mm)	POS	PCS./REEL	PCS/CARTON-T2	44.0	2000	500	10P	9-440054-0
225	10P	500 PCS.	500X4=2000PCS.	B(mm)	APQ (PCS/CARTON)	PPQ (PCS/REEL)	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TE Connectivity					
		CHK						
		APVD						
		PRODUCT SPEC						
DIMENSIONS: MM		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME				
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		2.0 MM PITCH HPI VERTICAL POST HEADERS				
MATERIAL		FINISH		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
				A3	00779	C=440054		
CUSTOMER DRAWING				SCALE	SHEET	REV		
					10 OF 10	F9		