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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

E6

REVISED ECR-17-002168

17DEC16

J.J

W.H

NOTES:

1. MATERIAL:

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

CONTACT: BRASS, THICKNESS=0.50mm.

2. FINISH:

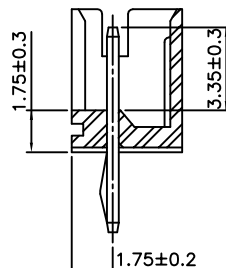
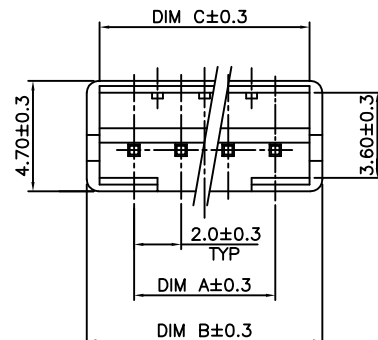
2.03um[80u"] MIN. BRIGHT-TIN PLATING ON CONTACT.

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

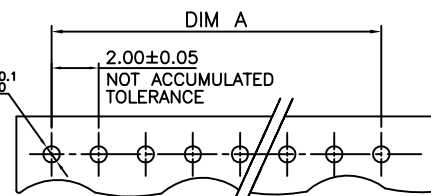
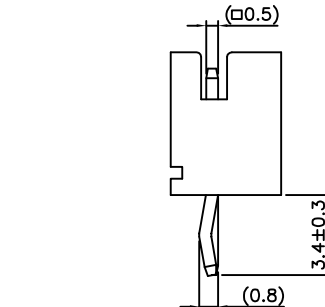
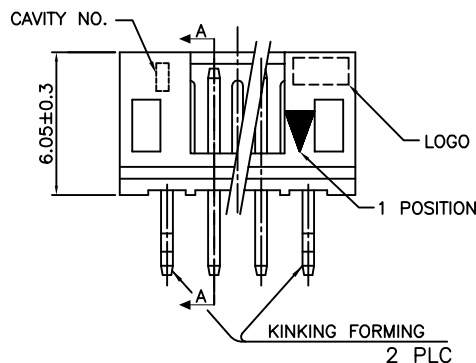
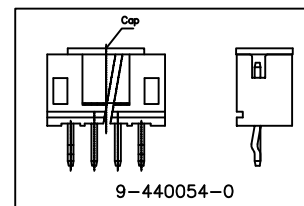
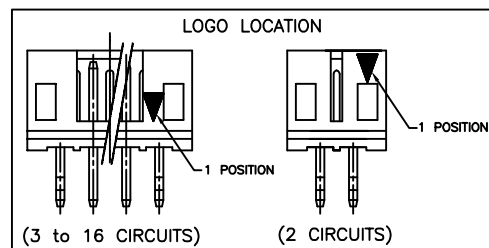
3. WAVE SOLDER CAPABLE TO 265°C PER TEST SPEC.

109-202, CONDITION B.

4. RAISED TYPE PN: 9-440054-2



SEC. A-A

RECOMMENDED PCB LAYOUT
(PCB THK=1.0~1.6)

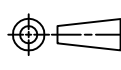
OBSOLETE	TUBE	RED	10.90	12.00	8.00	5P	6-440054-9
			8.90	10.00	6.00	4P	6-440054-8
			6.90	8.00	4.00	3P	6-440054-7
			4.90	6.00	2.00	2P	6-440054-6
			10.90	12.00	8.00	5P	6-440054-9
		BLACK	8.90	10.00	6.00	4P	6-440054-8
			6.90	8.00	4.00	3P	6-440054-7
			4.90	6.00	2.00	2P	6-440054-6
			10.90	12.00	8.00	5P	4-440054-9
			8.90	10.00	6.00	4P	4-440054-8
YELLOW		6.90	8.00	4.00	3P	4-440054-7	
		4.90	6.00	2.00	2P	4-440054-6	
		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	
BLUE		4.90	6.00	2.00	2P	2-440054-6	
		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	
NATURAL WHITE		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		
PACKAGE	COLOR	6.90	8.00	4.00	3P	3-440054-3	
		4.90	6.00	2.00	2P	3-440054-2	
		2.90	4.00	1.00	1P	3-440054-1	

POLY BAG	RED	10.90	12.00	8.00	5P	6-440054-9
		8.90	10.00	6.00	4P	6-440054-8
		6.90	8.00	4.00	3P	6-440054-7
		4.90	6.00	2.00	2P	6-440054-6
	BLACK	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
		4.90	6.00	2.00	2P	6-440054-2
	YELLOW	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
BLUE	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	
TAPE REEL	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	
POLY BAG	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
PACKAGE	COLOR	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
		DIM. C	DIM. B	DIM. A	PO'S	PART. IN.UMFR

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

MM



MATERIAL

SEE NOTE

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± 0.3
2 PLC ± 0.2
3 PLC ± 0.15
4 PLC ± -
ANGLES ± 3°

FINISH

SEE NOTE

DWN

O. HU

CHK

S. HOU

APVD

W.J. KE

PRODUCT SPEC

108-57100

APPLICATION SPEC

WEIGHT

GRAMS

CUSTOMER DRAWING

SCALE

SHEET

1 of 8

REV E6



TE Connectivity

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=440054

-

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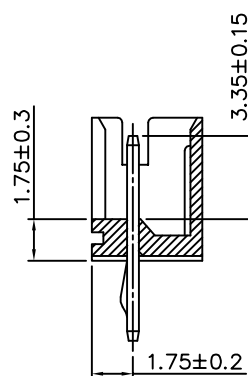
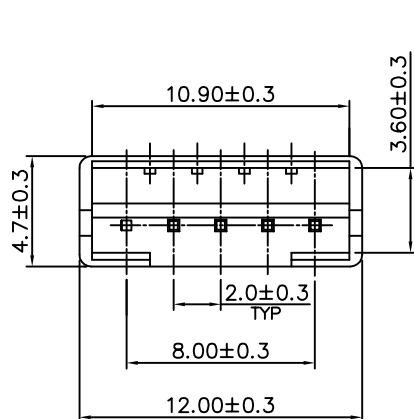
DESCRIPTION

DATE

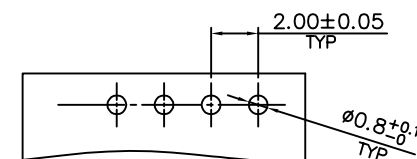
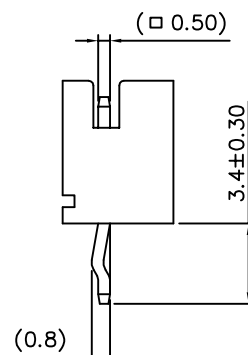
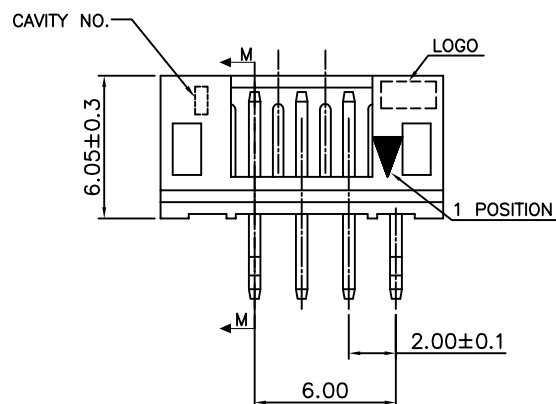
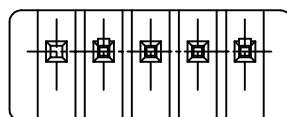
DWN

APVD

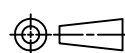
SEE SHEET 1.



SECTION M-M

RECOMMENDER PCB LAYOUT
(PCB THK=1.0~1.6mm)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MMTOLERANCES 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

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

A3

00779

C=440054

RESTRICTED TO

-

SCALE

SHEET

2 of 8

REV

E6

POLY BAG	NATURAL WHITE	PIN 5	4P	9-440054-5
PACKAGE	COLOR	PIN NUMBER LACKED	POS	PART NUMBER



TE Connectivity

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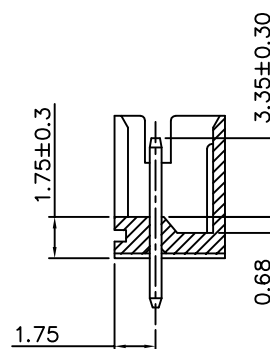
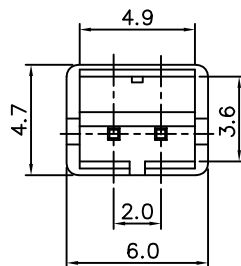
DESCRIPTION

DATE

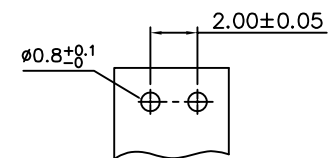
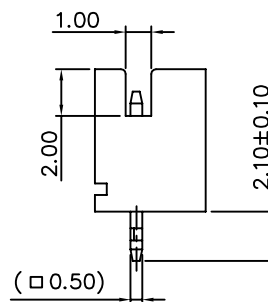
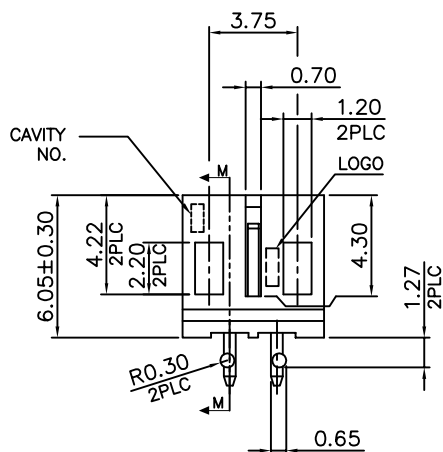
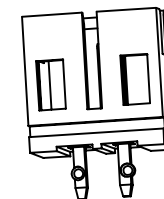
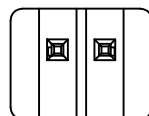
DWN

APVD

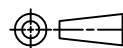
SEE SHEET 1.



SECTION M-M

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MM

MATERIAL

SEE NOTE
(PAGE 1.)TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± 0.3
2 PLC	± 0.2
3 PLC	± 0.15
4 PLC	± -
ANGLES	± 3°

FINISH

SEE NOTE
(PAGE 1.)

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

A3 00779 C=440054

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



TE Connectivity

SCALE

SHEET

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REV

E6

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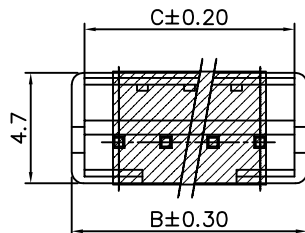
DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1.



NOTES:

1. MATERIAL:

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

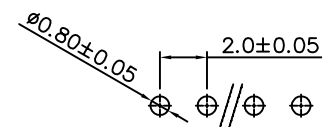
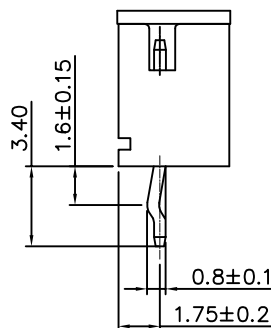
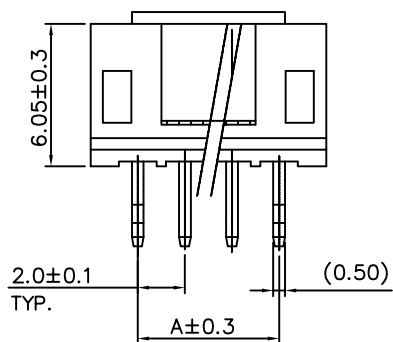
CONTACT: BRASS, THICKNESS=0.50mm.

2. FINISH:

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

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

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

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

TAPE REEL	NATURAL WHITE	8.90	10.00	6.00	4P	9-440054-4
PACKAGE	COLOR	DIM C	DIM B	DIM A	POS	PART NUMBER

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DWN

CHK

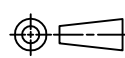
APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:
MM

MATERIAL

SEE NOTE
(PAGE 1.)TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± 0.3
2 PLC	± 0.2
3 PLC	± 0.15
4 PLC	± -
ANGLES	± 3°

FINISH

SEE NOTE
(PAGE 1.)

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

A3

00779

C=440054

RESTRICTED TO

-

SCALE

SHEET

4 of 8

REV E6

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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	4P	9-440054-5
40,000	1,000	2P	9-440054-2
17,600	550	5P	8-440054-3
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

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DWN

CHK

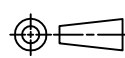
APVD

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

A300779

C=440054

SCALE

SHEET

5 of 8

REV E6

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DATE

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APVD

SEE SHEET 1.

D

D

C

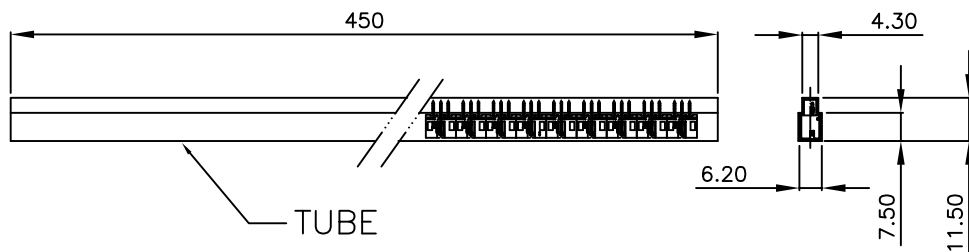
C

B

B

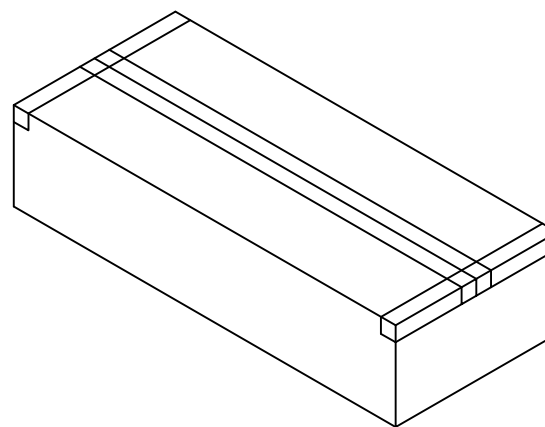
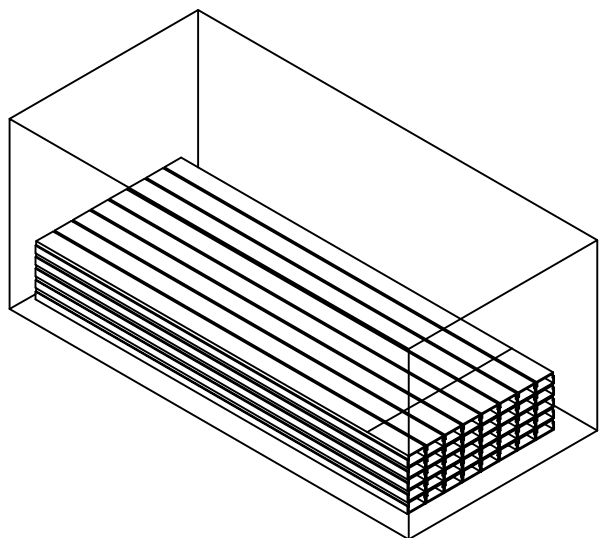
A

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TUBE

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



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
6,780	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

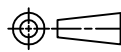
APVD

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

A300779C=440054

SCALE

SHEET

6 of 8

REV

E6

4

3

2

1

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LOC

DIST

REVISIONS

P

LTR

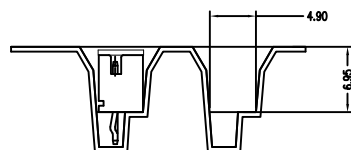
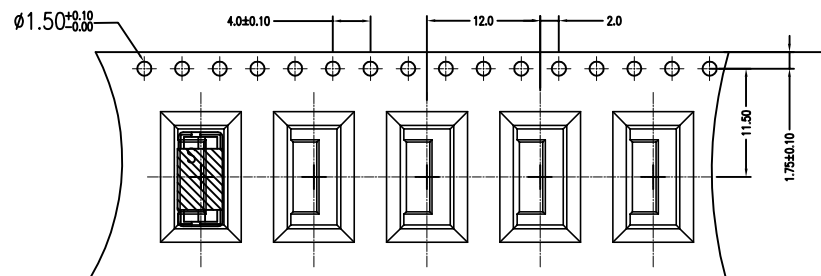
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DATE

DWN

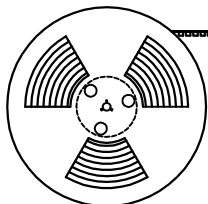
APVD

SEE SHEET 1.



Feeding Direction

Feeding Direction

CARRIER
TAPE

Feeding Direction

COVER LEAD TAPE

150.0(min)

TAIL TAPE

20 VACANCIES min
(UNLOADED)

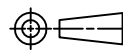
CONNECTOR-LOADED AREA

LEAD TAPE

20 VACANCIES min
(UNLOADED)

500 PCS/Reel

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
MMTOLERANCES 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

NAME

2.0 MM PITCH HPI VERTICAL POST HEADERS

SIZE

CAGE CODE

DRAWING NO

A3 00779 C=440054

SCALE

SHEET

7 of 8

REV E6

2000 APQ (PCS/CARTON)	500 PPQ (PCS/TUBE)	4P POS.	9-440054-4 PART NUMBER
-----------------------------	--------------------------	------------	---------------------------



TE Connectivity

4

3

2

1

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REVISIONS

P

LTR

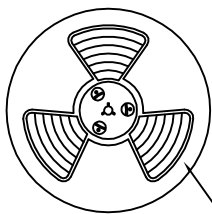
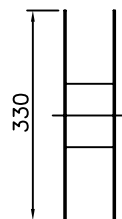
DESCRIPTION

DATE

DWN

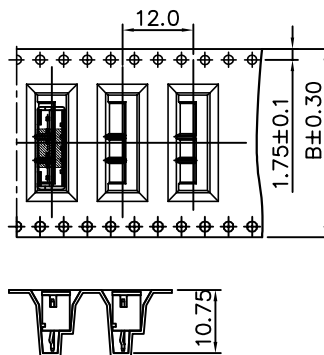
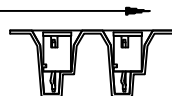
APVD

SEE SHEET 1.



REEL

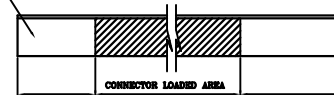
PULL OUT DIRECTION

CARRIER
TAPE

Feeding Direction

COVER LEAD TAPE

TAIL TAPE

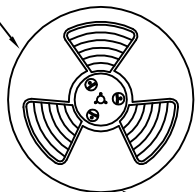
20 VACANCIES min
(UNLOADED)

500PCS/Reel

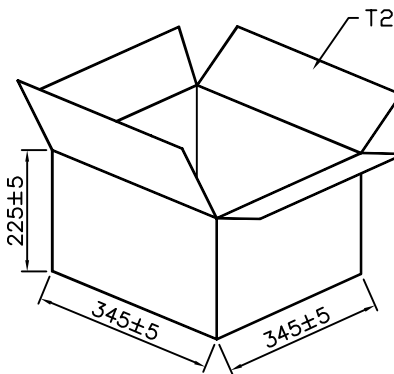
LEAD TAPE

20 VACANCIES min
(UNLOADED)

REEL



T1



T2

POS	B(mm)	PCS./REEL	PCS/CARTON-T2
10P	44	500 PCS.	500X4=2000PCS.

NOTE:

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

2000 APQ (PCS/CARTON)	500 PPQ (PCS/REEL)	10P	9-440054-0
		POS.	PART NUMBER

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DWN

CHK

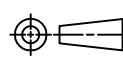
APVD

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

8 of 8

REV E6

Mouser Electronics

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