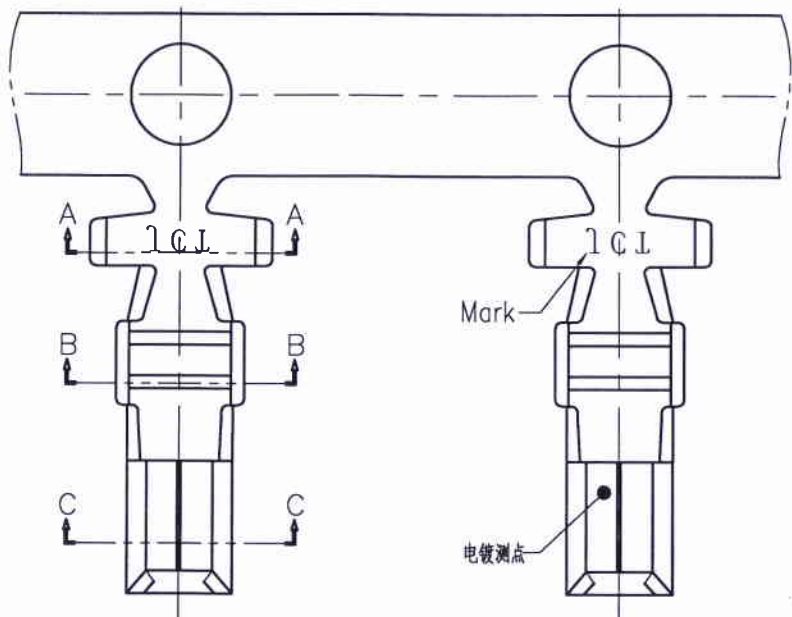


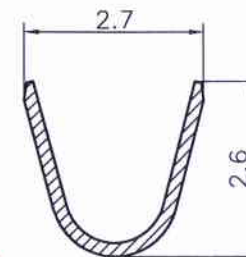
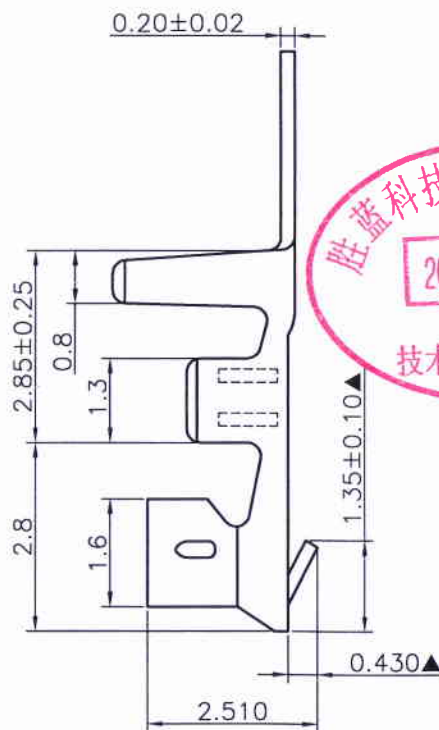
RoHS



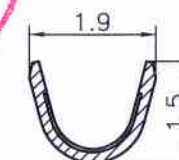
Note: 12502TOP-XX-XX

Blank: With Mark
NK: No Mark

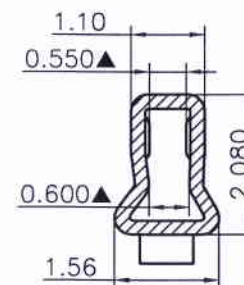
Finish
2E--Stamping after plating
2--Plating after stamping
5G--Au:15u" 5A--Au:1u"



Section A-A



Section B-B



Section C-C



Part No	Wire Range	Insulation O.D.	Material	Qty/reel
12502TOP-XX-XX	AWG #24~#30	1.90mm(max)	Phosphor Bronze	10,000 pcs

REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE: 1:1	NAME	DATE
C2	新增“12502TOP-2-NK”	12.07.02 <th>LINEAR</th> <th>ANGLES</th> <th>APPROVED</th> <td rowspan="2"> 2024.12.24</td> <td rowspan="2"></td>		LINEAR	ANGLES	APPROVED	 2024.12.24	
C3	TN1507200121	15.07.27	0.0±0.25	X° REF±6°	DESIGNER	江文松 16.12.24		
C4	新增电镀规格	16.09.19	UNIT: MM	0.00±0.15	X° ±3°		DRAWN	王国伟
C5	整理图面, 新增电镀规格	16.12.24	SIZE: A4	0.000±0.08	X° X'±2°			

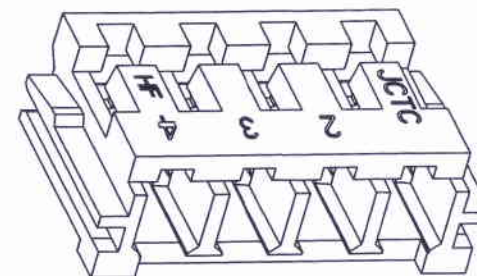
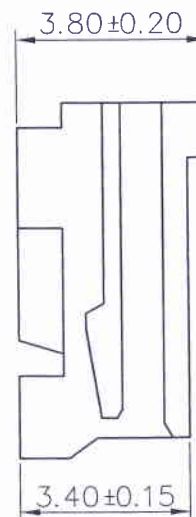
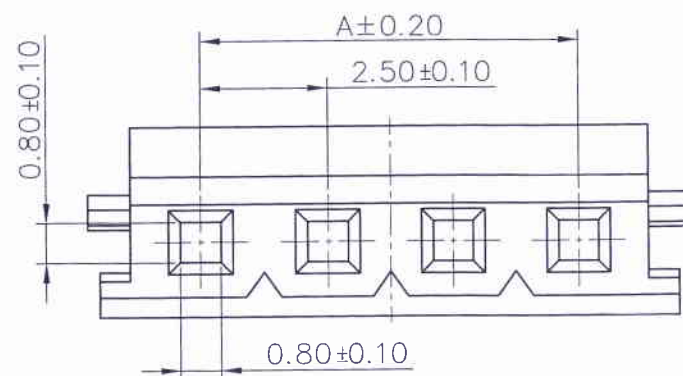
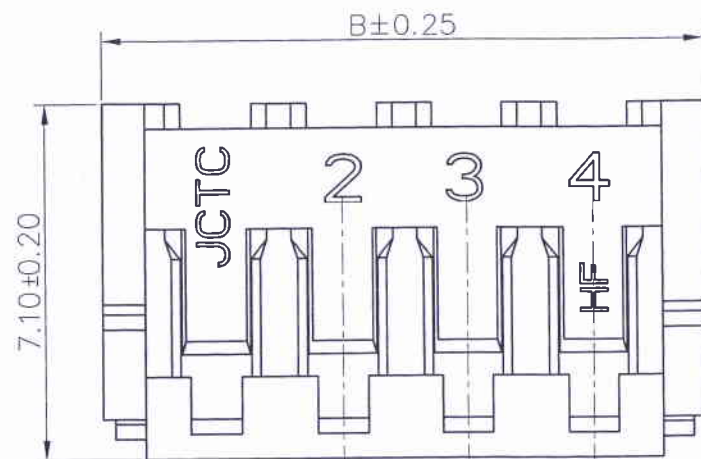
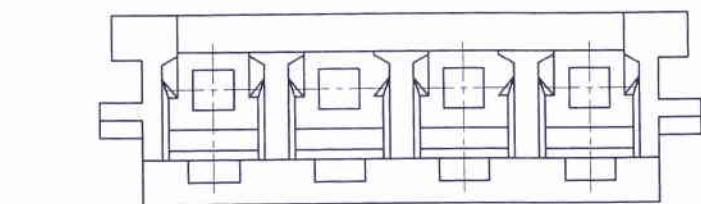
JCTC® 胜蓝科技股份有限公司
TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司

PART. NO:
12502TOP-XX-XX

DWG. NO:
ENDE05

TITLE: EH2.5 端子

REV: C5 SHEET: 1/1



Specifications:

Rated Voltage : 250V AC/DC

Rated Current : 3A AC/DC

Withstand Voltage : 800V AC/minute

Contact Resistance : 10mΩ(MAX.)

Insulation Resistance : 1000MΩ(MIN.)

Temperature Range : -25°C~+85°C

The product using material and processing must conform to the "WI-PZ-142"HSF technical standard control requirements

12502H00-NP-HF-NK

① ② ③ ④ ⑤

① Series No.

② H90 : Side Contact

H00 : Up Contact

③ No. of Circuits

④ HF : Halogen Free

⑤ NK : No mark

Suitable for JCTC 12502 series terminal

Dimensional Ordering Information:

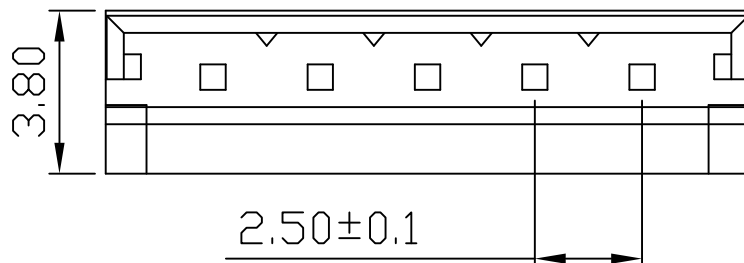
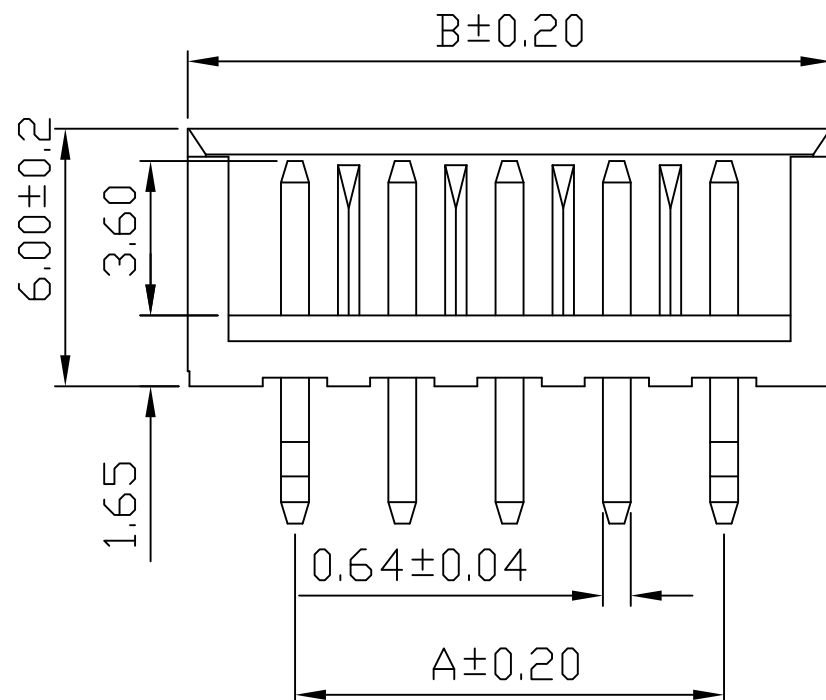
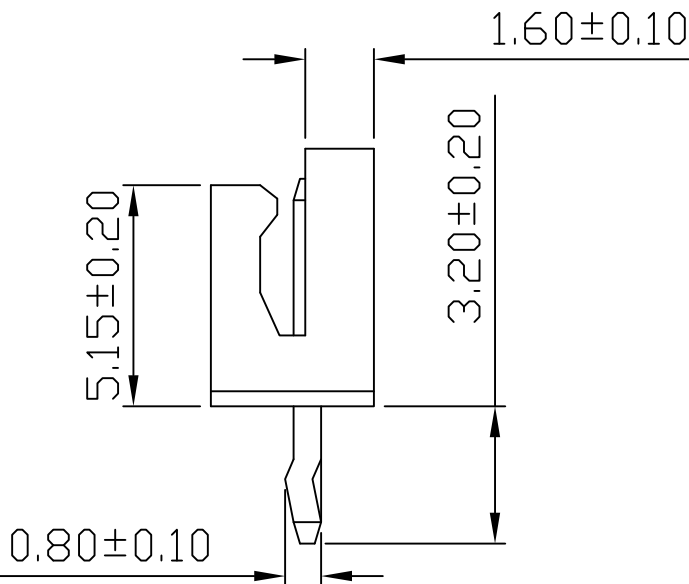
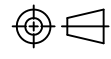
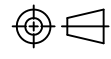
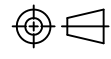
Part No Circuits	Dimensions	
	A	B
2P	2.50	7.00
3P	5.00	9.50
4P	7.50	12.00
5P	10.00	14.50
6P	12.50	17.00
7P	15.00	19.50
8P	17.50	22.00
9P	20.00	24.50
10P	22.50	27.00
11P	25.00	29.50
12P	27.50	32.00
13P	30.00	34.50
14P	32.50	37.00
15P	35.00	39.50



Part No.	Material	Color
12502H00-NP	Nylon 66,UL94V-0	Natural(White)
12502H00-NP-HF	Nylon 66,UL94V-0	Natural(White)
12502H00-NPA-HF	Nylon 66,UL94V-0	Black
12502H00-NPC-HF	Nylon 66,UL94V-0	RED
12502H00-NP-HF-NK	Nylon 66,UL94V-0	Natural(White)

REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE:	NAME	DATE
				LINEAR	ANGLES	1:1		
C0	换图框发行	10.11.23		0.0±0.25	X° REF±6°		APPROVED	
C1	HN1104190062	11.04.07		0.00±0.15	X° ±3°		DESIGNER	
C2	HN1207050044	12.07.05	UNIT: MM	0.000±0.08	X° X'±2°		DRAWN	
C3	依HN1801020001新增规格	18.01.02	SIZE: A4					

JCTC 胜蓝科技股份有限公司	PART. NO:
TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司	12502H00-NP-XX-XX
TITLE:	DWG. NO:
EH 2.50mm PITCH HOUSING	ENDE05
	REV: C3 SHEET: 1/1

1	2	3	4	5	6	7	8																																																																
A							A																																																																
B							B																																																																
C							C																																																																
D							D																																																																
E	12502W00-NPX-HF-NK ① ② ③④ ⑤ ⑥ ① Series No. ② W90 : Side Contact W00 : Up Contact ③ No. of Circuits ④ X : Product color(A--Y) Blank:Nature(white) A : Black G:Blue ⑤ HF: Halogen Free ⑥ NK: NO Mark						E																																																																
F							F																																																																
G	<table><tr><td colspan="2">CIRCUITS</td><td>DIM.A</td><td>DIM.B</td><td colspan="2">CIRCUITS</td><td>DIM.A</td><td>DIM.B</td></tr><tr><td colspan="2">02</td><td>2.5</td><td>7.5</td><td colspan="2">09</td><td>20.0</td><td>25.0</td></tr><tr><td colspan="2">03</td><td>5.0</td><td>10.0</td><td colspan="2">10</td><td>22.5</td><td>27.5</td></tr><tr><td colspan="2">04</td><td>7.5</td><td>12.5</td><td colspan="2">11</td><td>25.0</td><td>30.0</td></tr><tr><td colspan="2">05</td><td>10.0</td><td>15.0</td><td colspan="2">12</td><td>27.5</td><td>32.5</td></tr><tr><td colspan="2">06</td><td>12.5</td><td>17.5</td><td colspan="2">13</td><td>30.0</td><td>35.0</td></tr><tr><td colspan="2">07</td><td>15.0</td><td>20.0</td><td colspan="2">14</td><td>32.5</td><td>37.5</td></tr><tr><td colspan="2">08</td><td>17.5</td><td>22.5</td><td colspan="2">15</td><td>35.0</td><td>40.0</td></tr></table>						CIRCUITS		DIM.A	DIM.B	CIRCUITS		DIM.A	DIM.B	02		2.5	7.5	09		20.0	25.0	03		5.0	10.0	10		22.5	27.5	04		7.5	12.5	11		25.0	30.0	05		10.0	15.0	12		27.5	32.5	06		12.5	17.5	13		30.0	35.0	07		15.0	20.0	14		32.5	37.5	08		17.5	22.5	15		35.0	40.0	G
CIRCUITS		DIM.A	DIM.B	CIRCUITS		DIM.A	DIM.B																																																																
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H	<table><tr><td>REV.</td><td>REVISION RECORD</td><td>DATE</td><td rowspan="3"></td><td colspan="2">GENERAL TOLERANCES</td><td>SCALE: 1:1</td><td rowspan="3">NAME</td><td rowspan="3">DATE</td><td rowspan="3"> 胜蓝科技股份有限公司 TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司</td><td colspan="2">PART. NO: 12502W00-NPX-HF-NK</td></tr><tr><td>A0</td><td>新发行</td><td>18. 09. 13</td><td>LINEAR</td><td>ANGLES</td><td>APPROVED</td><td rowspan="2">DESIGNER</td><td rowspan="2">DRAWN</td><td rowspan="2">TITLE: EH2. 50 180° WAFER</td><td colspan="2">DWG. NO: ENDE05</td></tr><tr><td>A1</td><td>WR1906280126</td><td>19. 05. 30</td><td>0. 0±0. 25</td><td>X° REF±6°</td><td></td><td></td><td>REV: A1</td><td>SHEET: 1/1</td></tr><tr><td></td><td></td><td></td><td>UNIT: MM</td><td>0. 00±0. 15</td><td>X° ±3°</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>SIZE: A4</td><td>0. 000±0. 05</td><td>X° X'±2°</td><td></td><td></td><td></td><td></td><td></td></tr></table>						REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE: 1:1	NAME	DATE	 胜蓝科技股份有限公司 TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司	PART. NO: 12502W00-NPX-HF-NK		A0	新发行	18. 09. 13	LINEAR	ANGLES	APPROVED	DESIGNER	DRAWN	TITLE: EH2. 50 180° WAFER	DWG. NO: ENDE05		A1	WR1906280126	19. 05. 30	0. 0±0. 25	X° REF±6°			REV: A1	SHEET: 1/1				UNIT: MM	0. 00±0. 15	X° ±3°									SIZE: A4	0. 000±0. 05	X° X'±2°						H										
REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE: 1:1	NAME	DATE	 胜蓝科技股份有限公司 TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司		PART. NO: 12502W00-NPX-HF-NK																																																												
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A1	WR1906280126	19. 05. 30		0. 0±0. 25	X° REF±6°									REV: A1	SHEET: 1/1																																																								
			UNIT: MM	0. 00±0. 15	X° ±3°																																																																		
			SIZE: A4	0. 000±0. 05	X° X'±2°																																																																		
1	2	3	4	5	6	7	8																																																																

SPECIFICATIONS

Voltage Rating: 250V AC,DC
Current Rating: 3A AC,DC
Withstanding Voltage: 800V AC/minute
Contact Resistance: 10mΩ Max
Insulation Resistance: 1000MΩ Min
Temperature Range: -25℃ ~ +85℃

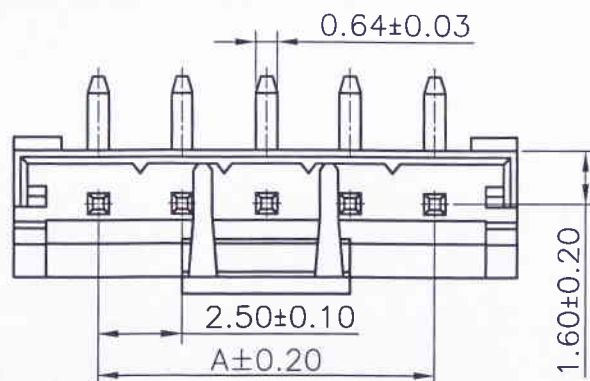
The product using material and processing must conform to the "WI-PZ-142"HSF technical standard control requirements



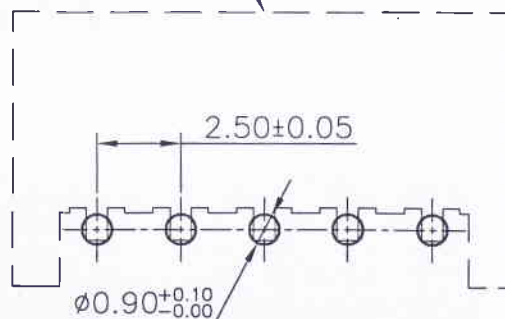
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03	5.0	10.0	10	22.5	27.5
04	7.5	12.5	11	25.0	30.0
05	10.0	15.0	12	27.5	32.5
06	12.5	17.5	13	30.0	35.0
07	15.0	20.0	14	32.5	37.5
08	17.5	22.5	15	35.0	40.0

Part No.	Material	Pin Material
12502W00-NP-HF-NK	Nylon 66 NATURE,UL94V-0	Brass/Tin-plated
12502W00-NPA-HF-NK	Nylon 66,BLACK,UL94V-0	Brass/Tin-plated

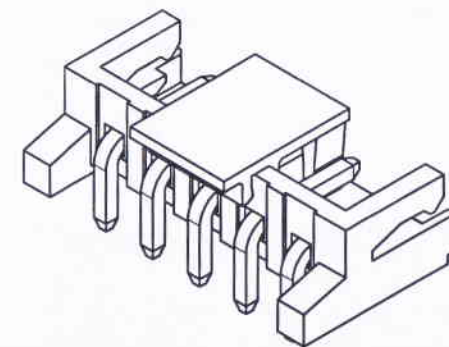
RoHS



Conn. profile



P.C.B LAYOUT



Specifications

Voltage Rating: 250V AC,DC

Current Rating: 3A AC,DC

Withstanding Voltage: 800V AC/minute

Contact Resistance: 10mΩ Max

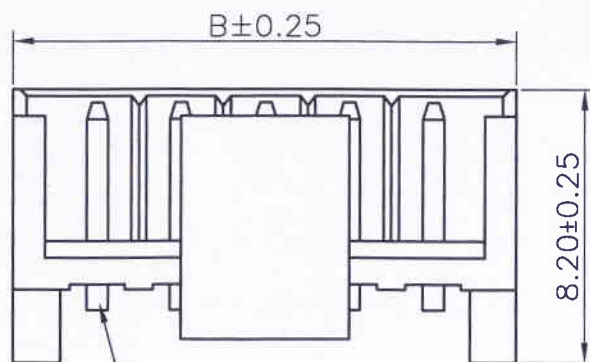
Insulation Resistance: 1000MΩ Min

Temperature Range: -25°C ~ +85°C

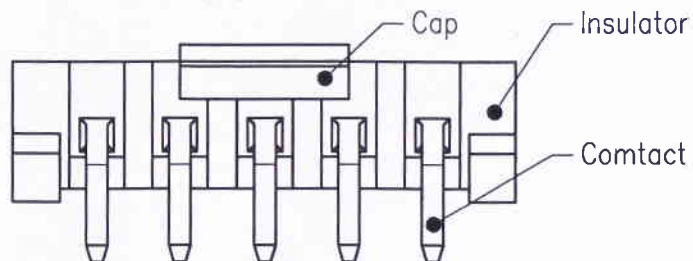
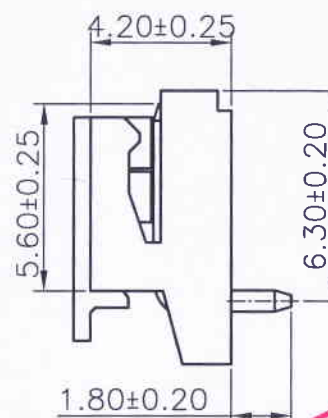
Insulator: HTN,UL94V-0/Natural(Beige)

Cap: HTN,UL94V-0/Natural(Beige)

Contact: Brass



Circuit 1



Dimensional Ordering Information:

Circuits	Dimensions	
Part No	A	B
5P	10.00	15.00
7P	15.00	20.00

12502W90-NP-5A-HF-NK-R

① ② ③ ④ ⑤ ⑥ ⑦

① Series No.

② W90 : Side Contact

W00 : Up Contact

③ No. of Circuits

④ 5A : Gold-flash

⑤ HF: Halogen Free

⑥ NK : No Mark

⑦ R : Tape & Reel

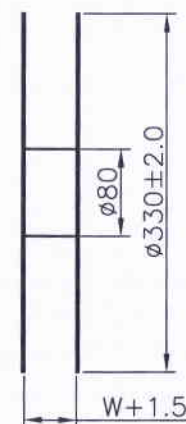
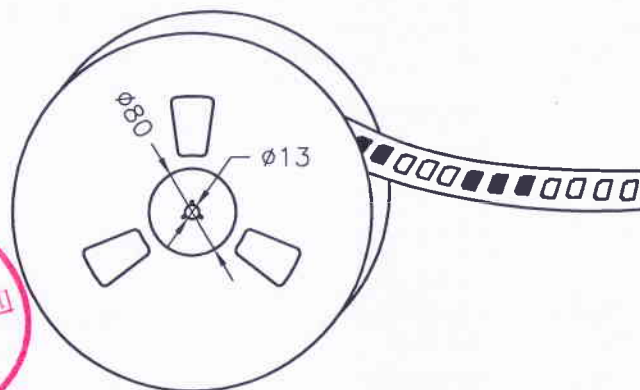
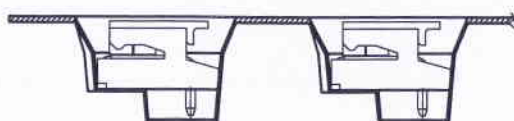
REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE:	NAME	DATE	JCTC® 胜蓝科技股份有限公司 TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司	PART. NO:
				LINEAR	ANGLES	1:1				12502W90-NP-5A-HF-NK-R
A0	新图面发行	15.05.04		0.0±0.25	X° REF±6°		APPROVED			
A1	WN1506010088	15.06.24		0.00±0.15	X° ±3°		DESIGNER			
A2	增加7P规格	16.10.18		0.000±0.08	X° X'±2°		DRAWN	王国伟	16.10.18	
TITLE: EH 2.50mm PITCH WAFER										DWG. NO: ENDE05
										REV: A2 SHEET: 1/2

Technical drawing of a 16-pin connector. The top view shows a rectangular body with 16 pins arranged in two rows of 8. Dimensions include a total width of 16.00, a pin pitch of 2.00, and a pin diameter of 1.50. The side view shows a height of 1.75 and a total width of 4.00. The end view shows a height of 0.40.

The diagram illustrates the structure of a tape with the following components and durations:

- Top tape leader part**: Indicated by a bracket at the top right.
- Carrier tape**: Indicated by a bracket above the main tape body.
- 3 pcs Empty**: A segment of the carrier tape.
- Connector packaging part**: A shaded segment in the middle of the tape.
- 3 pcs Backup connector**: A segment at the bottom left.
- 400 min.**: A duration label at the bottom right.
- Tail part (Empty) 10 PCS.**: A segment on the left side.
- Leader part (Empty) 10 PCS.**: A segment on the right side.

Unreeling direction



Number of Contacts	W±0.3	F±0.1	Q'ty/Reel
5P	24.0	11.50	500PCS
7P	32.0	14.20	500PCS

REV.	REVISION RECORD	DATE		GENERAL TOLERANCES		SCALE: 1:1	NAME	DATE	JCTC [®] 胜蓝科技股份有限公司 TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司	PART. NO:
A0	新图面发行	15. 05. 04		LINEAR	ANGLES	APPROVED				12502W90-NP-5A-HF-NK-R
A1	WN1506010088	15. 06. 24		0.0±0.25	X° REF±6°	DESIGNER				DWG. NO:
A2	新增7PIN规格	16. 10. 18		0.00±0.15	X° ±3°	DRAWN	王国伟	16. 10. 18		EH 2.50mm PITCH WAFER
			UNIT: MM	0.00±0.15	X° ±3°				TITLE:	ENDE05
			SIZE: A4	0.000±0.08	X° X'±2°				REV: A2	SHEET: 2/2

JCTC® 胜蓝科技股份有限公司
TERMINAL&CONNECTORS 东莞市富智达电子科技有限公司

PART. NO:
12502W90-NP-5A-HF-NK-R

DWG. NO:	ENDE05
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REV: A2	SHEET: 2/2
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