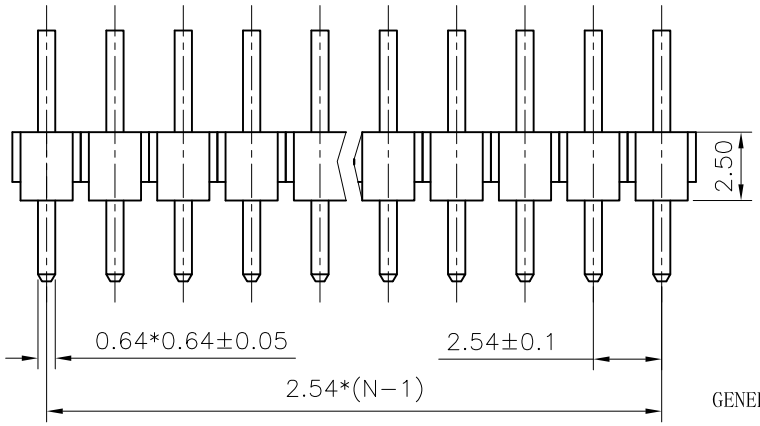
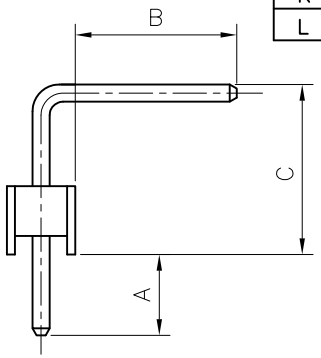
U TYPE

REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	LJH 09/15/05'	~	LJC 09/15/05'
B,C,D	ADD DIM.	LJH 04/04/06'	~	LJC 04/04/06'
F	ADD DIM.	LJH 04/15/06'	~	LJC 04/04/06'
G	整理图面	YCH 03/15/07'	~	LJC 03/15/07'
K	整理图面	YCH 08/12/09'	~	LJC 08/12/09'
L	ADD P/N CODE	LJC 12/08/13'		





NOTES:

1. MATERIALS
   - 1.1 CONTACT MATERIAL: COPPER ALLOY.
   - 1.2 INSULATOR: PBT WITH GLASS FIBER.
2. SPECIFICATIONS
   - 2.1 CURRENT RATING: 3A.
   - 2.2 OPERATING TEMPERATURE: −40°C TO +105°C.
   - 2.3 INSULATION RESISTANCE: 1000MΩ MIN.
   - 2.4 CONTACT RESISTANCE: 20mΩ MAX.
   - 2.5 DIELECTRIC WITHSTANDING: 600 VAC.
3. PRODUCT NUMBER CODE:

DS1022− X X U X X − X

- PLATING LEVEL(FOR GOLD ONLY)Ⓛ
  - 3A: 0.8−1.2u" B: LEVEL B
  - N: LEVEL N
- Dim. A B C type
  - 1: Type 1
  - 2: Type 2
  - .....
- CONTACT PLATING
  - F1: FULL GOLD FLASH
  - 6: FULL TIN
- BEND TYPE
  - U: U TYPE
- MOUNTING TYPE
  - R: R/A
- No.OF CONTACTS
  - 1*1 − 1*40

N: NUMBER OF CONTACTS

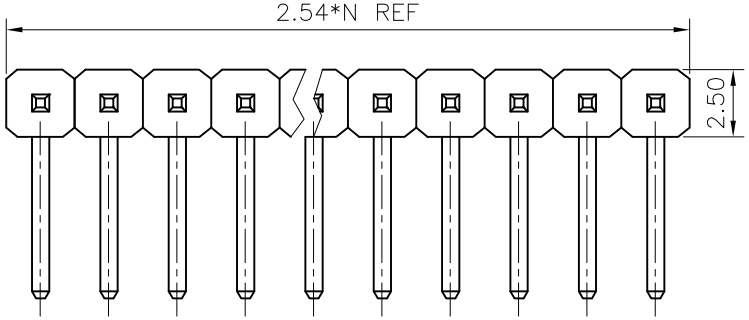
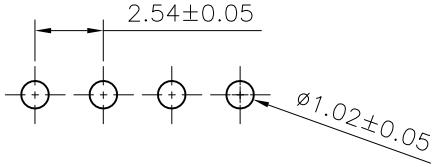


TABLE A:

	TYPE	Dimension A	Dimension B	Dimension C	Pin Length (mm)
GENERAL	1	3.00	6.00	6.07	15.50
	2	4.00	6.90	3.40	14.70
	3	6.00	11.40	5.64	23.40
	4	3.75	3.40	3.40	11.00
	5	2.80	4.00	3.40	10.60
	6	5.85	7.90	3.40	17.50
	7	3.60	3.20	3.40	10.60
	8	6.30	3.20	4.36	14.20
	9	3.00	6.00	5.42	15.00
	10	3.64	5.76	6.48	16.30
	11	3.00	6.00	5.00	14.40
	12	3.10	3.40	3.40	10.50
	13	6.00	4.90	3.40	14.70
	14	6.30	3.00	3.40	13.10
Ⓔ	15	6.20	3.70	3.60	14.00
Ⓕ	16	3.00	6.30	4.20	14.00
Ⓖ	17	2.30	5.11	5.30	13.10
Ⓗ	18	6.20	3.80	3.40	13.80
Ⓘ	19	4.70	4.70	4.20	14.00
	20	4.00	6.93	5.50	16.85
	21	2.50	5.40	4.50	12.80
	22	5.10	3.50	4.00	13.10
	23	3.00	4.40	4.00	11.85
	24	3.00	4.75	4.00	12.15
	25	4.70	4.80	3.70	13.70
	26	3.00	12.50	5.00	20.95
	27	5.80	4.30	3.34	13.85
	28	2.50	5.20	4.30	12.40
	29	3.00	6.20	6.45	16.10
	30	3.00	6.00	4.30	13.80
	31	7.50	7.80	4.00	19.80
	32	3.00	7.00	6.07	15.50
	33	3.00	6.00	6.57	16.00
	34	6.00	4.40	3.68	14.50
	35	3.07	5.92	6.50	15.90
	36	3.30	3.15	5.10	12.00
	37	3.00	6.50	4.50	14.40
	38	3.00	6.50	5.07	15.00
	39	6.00	2.40	4.20	13.00
	40	6.10	3.20	4.36	14.10
	41	4.20	4.20	4.20	13.00
	42	2.60	11.00	8.20	22.20
	43	3.00	6.00	4.00	13.40
	44	5.72	5.10	4.26	15.50
	45	3.00	3.00	4.00	10.50
	46	3.00	5.80	6.50	15.80
	47	3.30	5.80	4.36	14.00
	48	3.50	6.32	5.50	15.70
	49	4.00	7.90	3.30	15.70
	50	3.50	2.20	4.30	10.50
	51	3.00	3.00	4.30	10.80
	52	3.00	5.20	3.80	12.50

A/B/C: CUSTOMER LENGTH AVAILABLE



RECOMMEND P.C.BOARD LAYOUT

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 1
DRAWING NO.	C−DS1022−1*XXUXX−X−L		

PROJECTION		TITLE	2.54mm PIN HEADER R/A TYPE SINGLE ROW U TYPE
UNITS	mm		
SHEET SIZE	A4	SERIES	DS1022 SERIES

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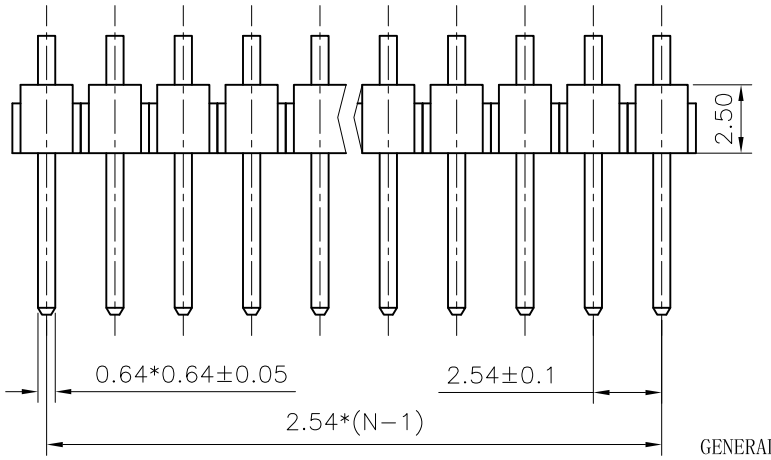
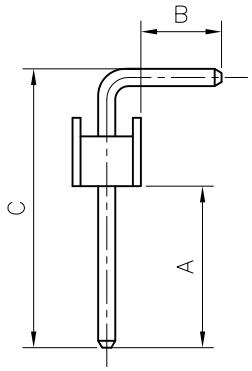
CONNFLY® CONNFLY ELECTRONIC CO., LTD

D TYPE

REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	LJH 04/06/06'	~	LJC 04/06/06'
B	ADD DIM	LL 08/05/06'	~	LJC 04/06/06'
C	增加规格整理图面	YCH 03/15/07'	~	LJC 03/15/07'
J	整理料号	YCH 04/23/08'	~	
K	ADD P/N CODE	LJC 12/08/13'		



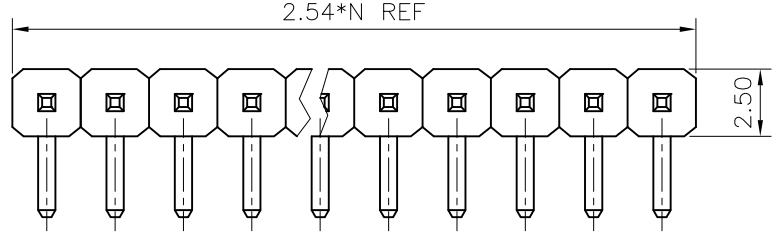


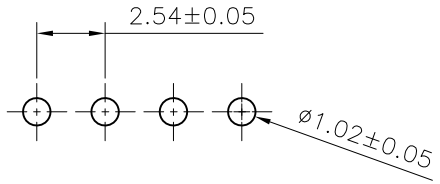
NOTES:

1. MATERIALS
   - 1.1 CONTACT MATERIAL: COPPER ALLOY.
   - 1.2 INSULATOR: PBT WITH GLASS FIBER.
2. SPECIFICATIONS
   - 2.1 CURRENT RATING: 3A.
   - 2.2 OPERATING TEMPERATURE: −40°C TO +105°C.
   - 2.3 INSULATION RESISTANCE: 1000MΩ MIN.
   - 2.4 CONTACT RESISTANCE: 20mΩ MAX.
   - 2.5 DIELECTRIC WITHSTANDING: 600 VAC.
3. PRODUCT NUMBER CODE:

DS1022− X X U X X − X

- PLATING LEVEL(FOR GOLD ONLY)Ⓛ
  - 3A: 0.8−1.2u" B: LEVEL B
  - N: LEVEL N
- Dim. A B C type
  - 1: Type 1
  - 2: Type 2
  - 3: Type 3
  - 4: Type 4
  - 5: Type 5
  - 6: Type 6
  - 7: Type 7
  - 8: Type 8
  - .....
- CONTACT PLATING
  - F1: FULL GOLD FLASH
  - 6: FULL TIN
- BEND TYPE
  - D: D TYPE
- MOUNTING TYPE
  - R: R/A
- No.OF CONTACTS
  - 1*1 − 1*40





RECOMMEND P.C.BOARD LAYOUT

TABLE A:

TYPE	Dimension A	B	C	Pin Length (mm)
1	6.00	3.00	10.36	13.80
2	6.00	4.50	9.50	14.40
3	6.10	4.00	10.40	14.80
4	6.00	3.20	10.50	14.10
5	6.00	3.50	10.82	14.70
6	4.70	1.73	8.20	10.40
7	15.00	3.00	19.08	22.50
8	6.00	3.10	11.10	14.40
9	1.00	1.91	5.00	7.40
10	6.20	3.20	11.10	14.70
11	6.20	3.20	10.8	14.40
12	4.50	2.93	8.00	11.40
13	6.30	2.60	10.36	13.40
14	5.70	2.95	9.52	12.90
15	4.80	3.00	8.10	11.50
16	6.00	3.00	9.14	12.60
17	7.20	3.00	10.36	13.80
18	3.00	6.00	7.50	13.80
19	3.00	6.00	9.32	15.80
20	3.50	3.00	7.86	11.30
21	5.00	2.70	8.14	11.30
22	8.20	2.80	12.30	15.50
23	3.00	3.00	7.36	10.80
24	6.50	3.00	10.36	13.80
25	6.80	8.40	10.64	19.50
26	10.00	3.20	14.40	18.00
27	3.50	2.50	7.82	10.80
28	6.00	3.00	9.50	12.90
29	7.00	3.10	13.90	17.50
30	4.00	3.00	8.36	11.80
31	3.00	5.40	8.65	14.50
32	4.50	4.50	8.82	17.80
33	3.20	6.00	7.50	14.00
34	3.80	6.00	8.30	14.80
35	3.00	3.40	8.00	11.80
36	3.80	3.00	7.93	11.20
37	16.4	13.00	19.60	33.00
38	6.85	3.00	10.90	14.30
39				
40				
41				
42				

GENERAL Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ

A/B/C: CUSTOMER LENGTH AVAILABLE

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 1
DRAWING NO.	C−DS1022−1*XXDXX−X−K		

PROJECTION		TITLE	2.54mm PIN HEADER R/A TYPE SINGLE ROW D TYPE
UNITS	mm		
SHEET SIZE	A4	SERIES	DS1022 SERIES

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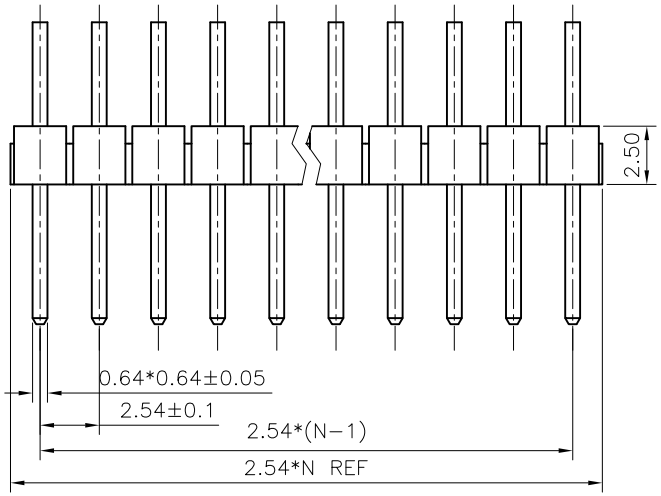
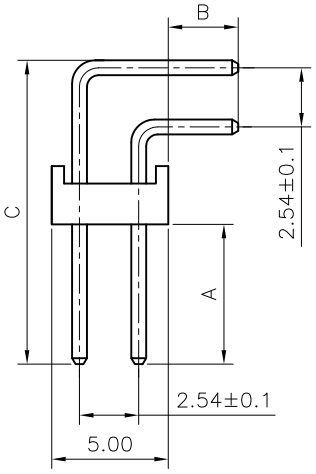
CONNFLY® CONNFLY ELECTRONIC CO., LTD

REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	LJH 09/21/05'	~	LJC 09/21/05'
B,C	ADD DIM.	LJH 04/04/06'	~	LJC 04/04/06'
D	ADD DIM.	LL 09/26/06'	~	LJC 09/26/06'
E	整理图面	YCH 03/15/07'	~	LJC 03/15/07'
F	增加SMT尺寸值表格	YCH 05/18/07'	~	LJC 05/18/07'
G	整理图面	YCH 07/23/08'	~	LJC 07/23/08'
H	去除SMT类型	YCH 05/28/09'	~	LJC 05/28/09'
J	ADD P/N CODE	JLZ 07/23/14'	~	

RIGHT ANGLE TYPE
N:NUMBER OF CONCACT/2



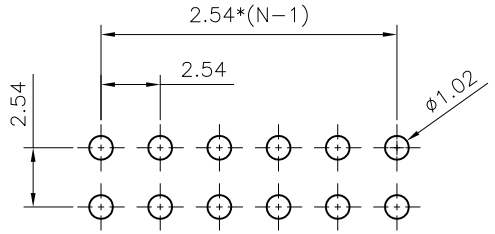


NOTES:
1. MATERIALS
   1.1 CONTACT MATERIAL: COPPER ALLOY.
   1.2 INSULATOR: PBT WITH GLASS FIBER.
2. SPECIFICATIONS
   2.1 CURRENT RATING: 3A.
   2.2 OPERATING TEMPERATURE: −40°C TO +105°C.
   2.3 INSULATION RESISTANCE: 1000MΩ MIN.
   2.4 CONTACT RESISTANCE: 20mΩ MAX.
   2.5 DIELECTRIC WITHSTANDING: 600 VAC.
3. PRODUCT NUMBER CODE:
   DS1022− X X X X − X
   - PLATING LEVEL(FOR GOLD ONLY)①
     3A: 0.8−1.2u" B: LEVEL B
     N: LEVEL N
   - Dim. A B C type
     1: Type 1
     2: Type 2
     3: Type 3
     4: Type 4
     5: Type 5
     6: Type 6
     7: Type 7
     8: Type 8
     .....
   - CONTACT PLATING
     F1: FULL GOLD FLASH
     6: FULL TIN
   - MOUNTING TYPE
     R: R/A
   - No.OF CONTACTS
     2*1 − 2*40

RIGHT ANGLE /弯针
TABLE A:

TYPE	Dimension A	B	C	Pin Length 针长 (mm)
1	6.00	3.00	13.04	14.00 19.00
2	6.10	4.00	12.94	14.80 19.90
3	6.00	4.00	12.76	14.70 19.70
4	9.00	3.00	16.04	16.90 22.00
5	6.00	3.00	13.80	14.70 19.80
6	5.10	3.00	13.04	14.00 19.00
7	6.50	3.00	13.10	14.00 19.00
8	3.00	6.00	9.32	18.30 13.20
9	3.00	3.00	10.90	11.90 16.90
10	7.00	3.10	13.90	14.90 20.00
11	4.00	3.00	10.76	11.70 16.70

TYPE	Dimension A	B	C	Pin Length 针长 (mm)
12	3.00	3.00	9.90	10.90 15.90
13	6.00	3.50	13.04	14.40 19.50
14	3.00	9.00	11.90	18.80 23.90
15				
16				
17				
18				
19				
20				
21				
22				



RECOMMEND PCB LAYOUT
(TOLERANCE ±0.05)

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		TITLE	2.54mm PIN HEADER R/A TYPE 2 ROWS
X.	±0.60	X.	±5°	UNITS	mm		
.X	±0.38	.X	±3°	SHEET SIZE	A4	SERIES	DS1022 SERIES
.XX	±0.25	.XX	±2°				
DRAWING TYPE	CUSTOMER						
SCALE	1:1	SHEET	1 OF 1				
DRAWING NO.	C−DS1022−2*XXX−X−J						

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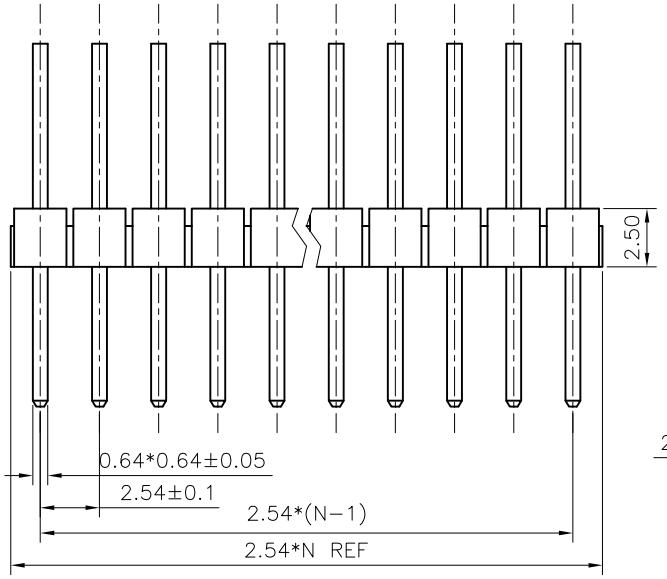
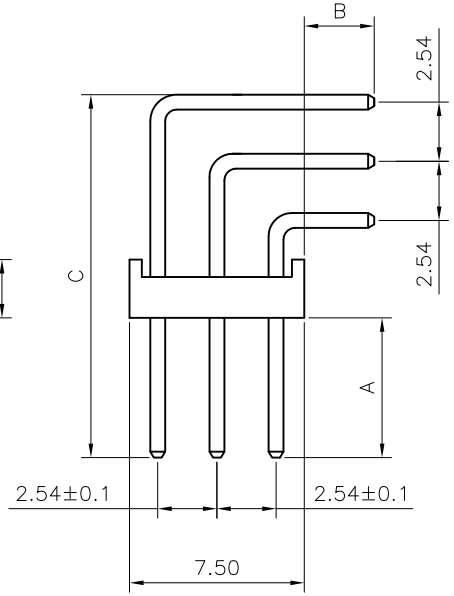
REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	LJC 09/13/13'		LJC 09/13/13'
B	ADD P/N CODE	LJC 12/08/13'		

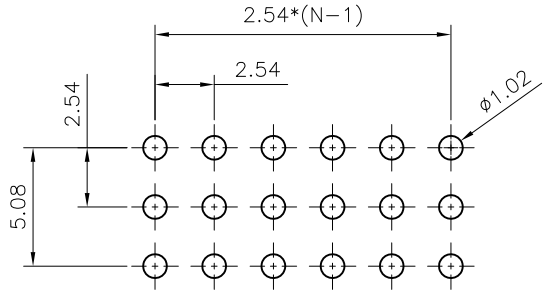
RIGHT ANGLE TYPE
N:Total Positions/3





NOTES:

1. MATERIALS
   1.1 CONTACT MATERIAL: COPPER ALLOY.
   1.2 INSULATOR: PBT WITH GLASS FIBER.
2. SPECIFICATIONS
   2.1 CURRENT RATING: 3A.
   2.2 OPERATING TEMPERATURE: −40°C TO +105°C.
   2.3 INSULATION RESISTANCE: 1000MΩ MIN.
   2.4 CONTACT RESISTANCE: 20mΩ MAX.
   2.5 DIELECTRIC WITHSTANDING: 600 VAC.
3. PRODUCT NUMBER CODE:
   DS1022− X X X X − X
   - PLATING LEVEL(FOR GOLD ONLY) Ⓑ
     3A: 0.8−1.2u" B: LEVEL B
   - Dim. A B C type
     1: Type 1
     .....
   - CONTACT PLATING
     F1: FULL GOLD FLASH
     6: FULL TIN
   - MOUNTING TYPE
     R: R/A
   - No.OF CONTACTS
     3*1 − 3*40



RECOMMEND PCB LAYOUT
(TOLERANCE ±0.05)

TABLE A:

TYPE	Dimension A	Dimension B	Dimension C	Pin Length (mm)
1	6.00	3.00	15.58	Short: 14.0 Middle: 19.0 Long: 24.0

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 1
DRAWING NO.	C−DS1022−3*XXX−X−B		

PROJECTION		TITLE	2.54mm PIN HEADER R/A TYPE 3 ROWS
UNITS	mm		
SHEET SIZE	A4	SERIES	DS1022 SERIES

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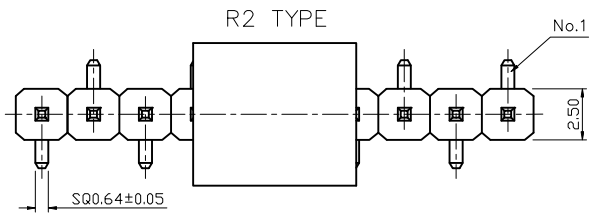
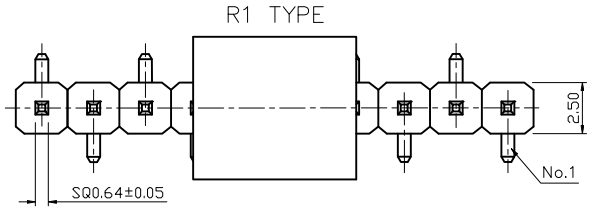
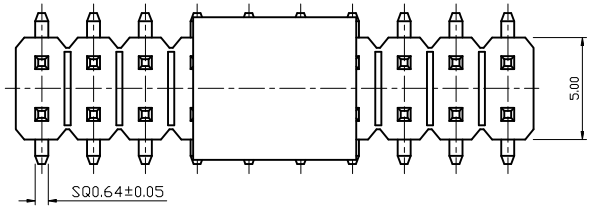
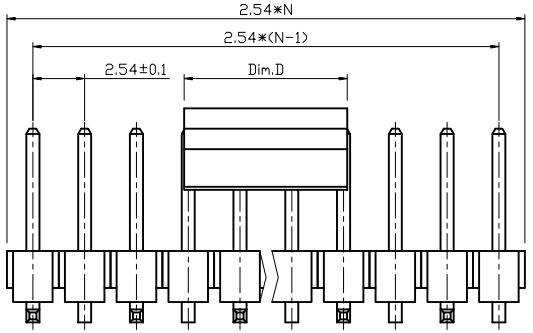
REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	YCH 11/19/10'	~	LJC 11/19/10'
B	ADD P/N CODE	LJC 12/08/13'	~	LJC 12/08/13'
C	PICK UP CHANGE	YCH 04/23/14'	~	LJC 04/23/14'
D	PICK UP CHANGE	JLZ 01/26/16'		



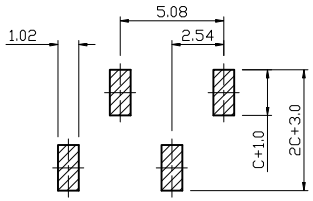


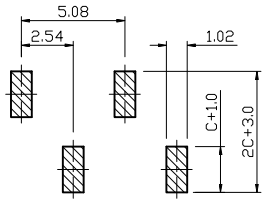


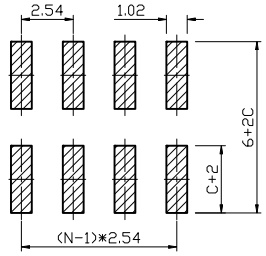


pos. \ Dim.	Dim.D
2~3pin	5.0mm
4~40pin	9.0mm

Ⓓ



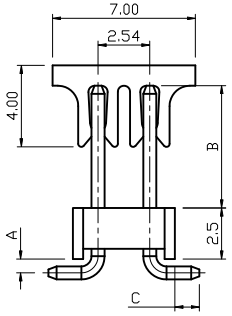




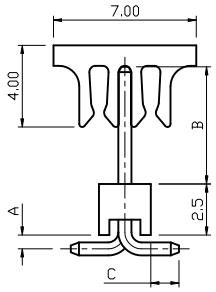
RECOMMEND PCB LAYOUT
TOLERANCE=±0.05

TABLE B:

TYPE	Dimension A	Dimension B	Dimension C	Pin Length (mm)
1	1.50	6.00	3.00	13.80
2	1.20	6.00	3.00	13.50
3	0.68	7.75	1.20	12.90
4	1.20	8.00	2.50	14.90
5	1.20	6.00	1.20	11.70
6	0.70	6.00	1.40	11.30
7	1.50	6.00	1.20	11.90
8	1.00	5.84	1.40	11.60
9	1.00	8.13	1.40	13.80
10	1.18	11.00	2.50	17.90
11	0.68	4.50	1.40	10.00
	0.48	6.00	1.25	11.00



DUAL



SINGLE

NOTES:
1. MATERIALS
   1.1 CONTACT MATERIAL: COPPER ALLOY.
   1.2 CONTACT PLATING: FULL GOLD OR TIN OVER NICKEL.
   1.3 INSULATOR MATERIALS: HIGH TEMP. UL94 V-0,COLOR OF BLACK.
2. SPECIFICATIONS
   2.1 CURRENT RATING: 3A.
   2.2 OPERATING TEMPERATURE: -40°C TO +105°C.
   2.3 INSULATION RESISTANCE: 1000MΩ MIN.
   2.4 CONTACT RESISTANCE: 20mΩ MAX.
   2.5 DIELECTRIC WITHSTANDING : 600 VAC.
3. PRODUCT NUMBER CODE:

DS1022- X X M X X X X - X

- Ⓑ PLATING LEVEL(FOR GOLD ONLY): 3A: 0.8-1.2u" B: LEVEL B
- PACKING TYPE: T: TRAY; R: TAPE ON REEL; B: TUBE; A: POLYBAG
- PICK UP SUPPORT: S: W/ PICK UP; X: W/O PICK UP
- Dim. A B C type: 1: Type 1; 2: Type 2 .....
- CONTACT PLATING: F1: FULL GOLD FLASH; 6: FULL TIN
- BEND TYPE (SINGLE ROW ONLY): A: R1 TYPE; B: R2 TYPE
- MOUNTING TYPE: M: SMT
- No.OF CONTACTS: 1*2 - 1*40; 2*2 - 2*40

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.60	X.	±5°
.X	±0.38	.X	±3°
.XX	±0.25	.XX	±2°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 1
DRAWING NO.	C-DS1022-XMXXXXXX-X-D		

PROJECTION		TITLE	PIN HEADER PITCH 2.54mm SMT TYPE
UNITS	mm		
SHEET SIZE	A4	SERIES	DS1022 SERIES

晨翔电子有限公司
CONNFLY ELECTRONIC CO., LTD