

MET II , MET III series rectangular electrical connector

Description

- Comply with MIL-C-55302/23 standard, MIL-C-55302/24 standard, MIL-C-55302/25 standard
- Withstanding wave-soldering
- 1.905mm gap
- 10 cores~100 cores in 2 rows
- 11 cores~ 206 cores in 3 rows
- Enterprise standard: Q/21EJ280

Main technical performance

- Operating temperature: -55°C~+125°C
- Current rating: 3A
- Contact resistance: $\leq 0.025\Omega$
- Dielectric withstanding voltage: Standard atmospheric pressure 750V; low pressure: 250V
- Insulation resistance: normal temperature $\geq 5000M\Omega$, humidity $\geq 20M\Omega$
- Endurance: 1000 cycles
- Vibration: frequency 10~2000Hz, acceleration $147m/s^2$
- Salt spray: 96h
- Shock: Acceleration $980m/s^2$

Ordering information

Basic series	MET	2	1	2-	020-	10	1-	5500
Row number of contact	2 rows							
	3 rows							
Structure type	See table 1							
Insulator material	2-PPS (polyphenylene sulfide)							
number of contact	Use three digit to represent, see the chart 2							
Termination	See table 3							
Contact plating	Plug: 1- gold plating; 2- tin plating Receptacle: 1- gold plating; 2-tin plating (except soldering cup, crimping or wire wrap)							
Type of installation fastener	See MET series installation and recognizable fastener type, when the plug or socket don't need to install fasteners, code 0256 is marked							

Chart 1

Plug	Mark code	Receptacle	Mark code
Straight with mounting ear	1	Straight with mounting ear	2
Straight without mounting ear	3	Straight without mounting ear	4
Elbow with mounting ear	5	Elbow with mounting ear	6
Elbow without mounting ear	7	Elbow without mounting ear	8

Chart 2

2 rows	010、020、030、040、050、060、070、080、090、100
3 rows	011、023、035、047、059、071、080、122、152、206

Chart 3

Used for plug	Mark code	Used for receptacle	Mark code
Pin, straight soldering cup, inner diameter of soldering cup Φ 0.7	11	Socket, straight dip soldering, 2.77 \times Φ 0.5	20
Pin, straight dip soldering, 2.77 \times Φ 0.45	10	Socket, straight dip soldering, 3.56 \times Φ 0.5	21
Pin, straight dip soldering, 3.56 \times Φ 0.5	12	Socket, straight dip soldering, 4.37 \times Φ 0.5	22
Pin, straight dip soldering, 4.37 \times Φ 0.5	13	Socket, straight dip soldering, 3.56 \times Φ 0.4	50
Pin, elbow dip soldering, 2.77 \times Φ 0.5	31	Socket, straight dip soldering, 4.37 \times Φ 0.4	51
Pin, elbow dip soldering, 3.56 \times Φ 0.5	32	Socket, straight soldering cup, inner diameter of soldering cup Φ 0.7	24
Pin, elbow dip soldering, 4.37 \times Φ 0.5	33	Socket, straight wire wrap, 12.7 \times \square 0.45	26
Pin, elbow dip soldering, 2.77 \times Φ 0.4	34	Socket, straight wire wrap, 9.53 \times \square 0.45	27
Pin, elbow dip soldering, 3.56 \times Φ 0.4	35	Socket, straight wire wrap, 15.88 \times \square 0.45	28
Pin, elbow dip soldering, 4.37 \times Φ 0.4	36	Socket, elbow dip soldering, 2.77 \times Φ 0.5	44
		Socket, elbow dip soldering, 3.56 \times Φ 0.5	45
		Socket, elbow dip soldering, 4.37 \times Φ 0.5	46
		Socket, straight stack 5.38 \times Φ 0.635 (panel thickness 1.57)	53
		Socket, straight stack, 6.20 \times Φ 0.635 (panel thickness 2.39)	54
		Socket, straight stack, 6.99 \times Φ 0.635 (panel thickness 3.18)	55

Note: 1. The length of the contact can be selected according to the thickness of the PCB, and the details can refer to each page contact selection type.

2. Pay attention to that plug can only install pin, receptacle can only install socket.

3. Fasteners selection should according to the fasteners installed on the graphics in each page of the samples. Check whether the plug fastener can mate with the receptacle fastener, see "fastener installation corresponding relation chart";

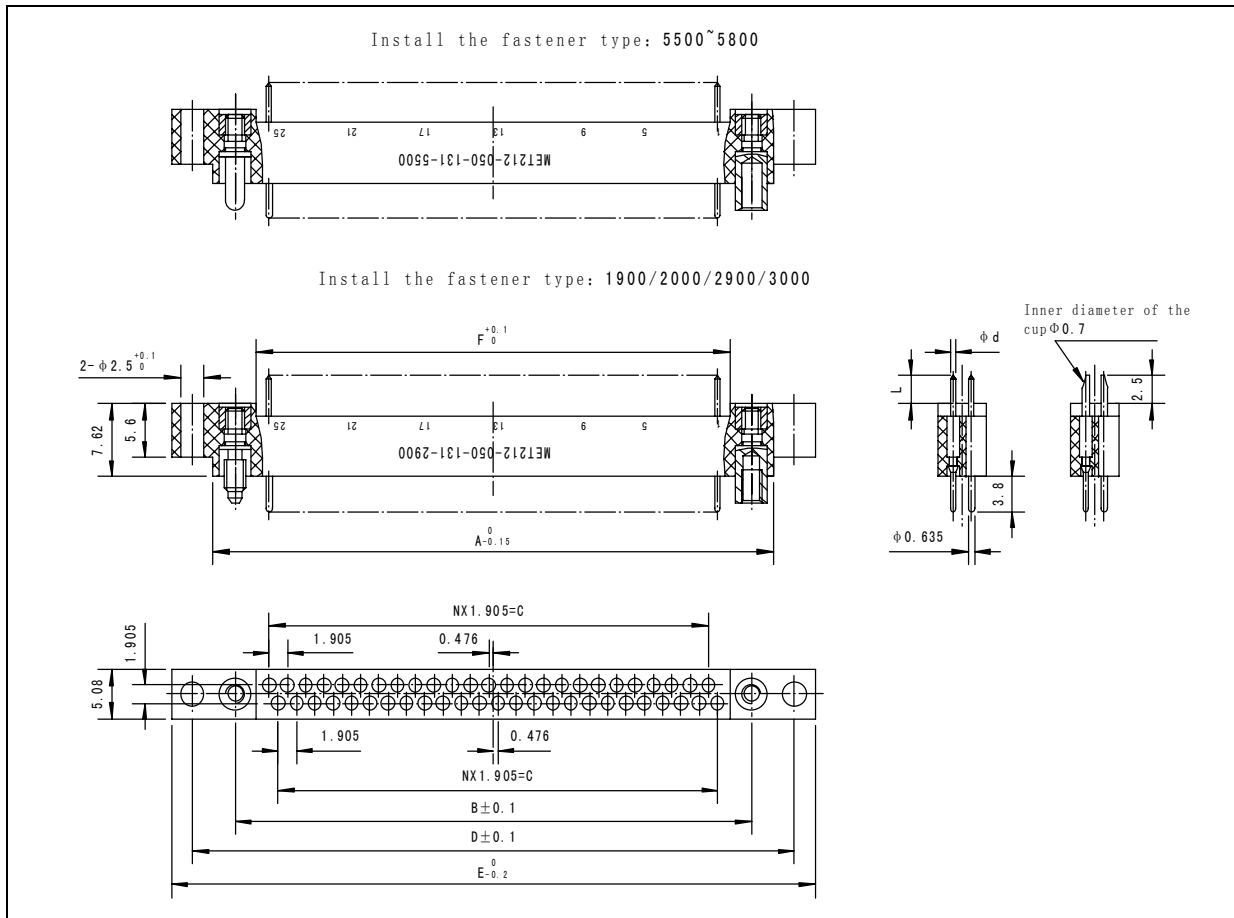
4. When the plug and receptacle with locking function are locking, the torque force is 0.1 ~ 0.2 N.m

Outline dimensions

[ETO2 series]



Straight plug with mounting ear



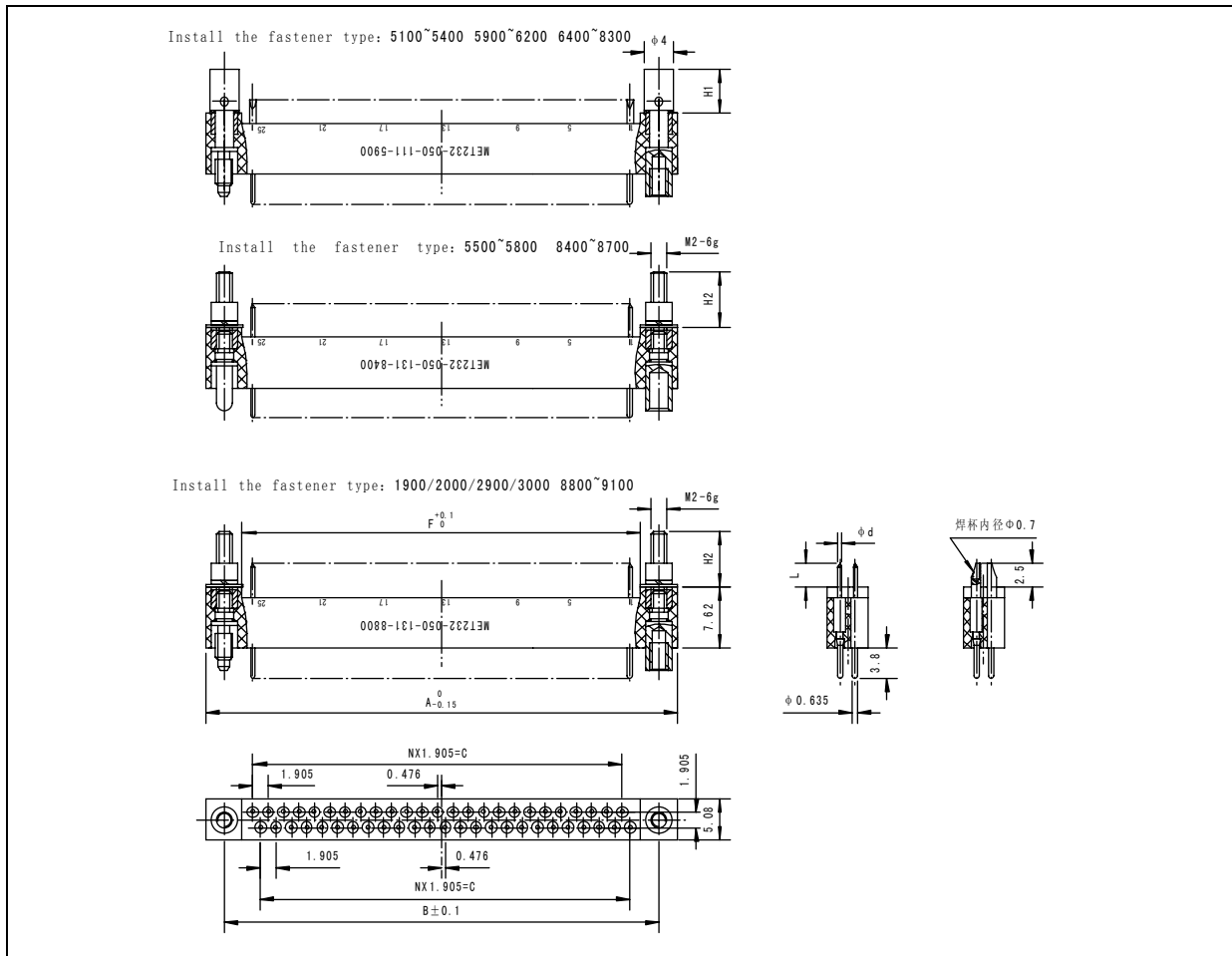
Plug type	A	B	C	D	E	F	N
MET212-010-XX1-XXXX	20.2	15.7	7.62	24.6	28.9	11.2	4
MET212-020-XX1-XXXX	29.8	25.2	17.15	34.1	38.4	20.8	9
MET212-030-XX1-XXXX	39.3	34.7	26.67	43.6	47.9	30.3	14
MET212-040-XX1-XXXX	48.8	44.2	36.20	53.1	57.5	39.8	19
MET212-050-XX1-XXXX	58.3	53.8	45.72	62.7	67	49.3	24
MET212-060-XX1-XXXX	67.9	63.3	55.25	72.2	76.5	58.9	29
MET212-070-XX1-XXXX	77.4	72.8	64.77	81.7	86	68.4	34
MET212-080-XX1-XXXX	86.9	82.3	74.30	91.2	95.6	77.9	39
MET212-090-XX1-XXXX	96.4	91.9	83.82	100.8	105.1	87.4	44
MET212-100-XX1-XXXX	106	101.4	93.35	110.3	114.6	97	49

● Optional contact type

Contact type	Φd	L	Terminating
10	0.5	2.77	Straight dip soldering
12	0.5	3.56	
13	0.5	4.37	
11	Inner dia. of the wire soldering cup Φ0.7		Wire soldering



MET 2 series straight plug without mounting ear



● Optional fastener size

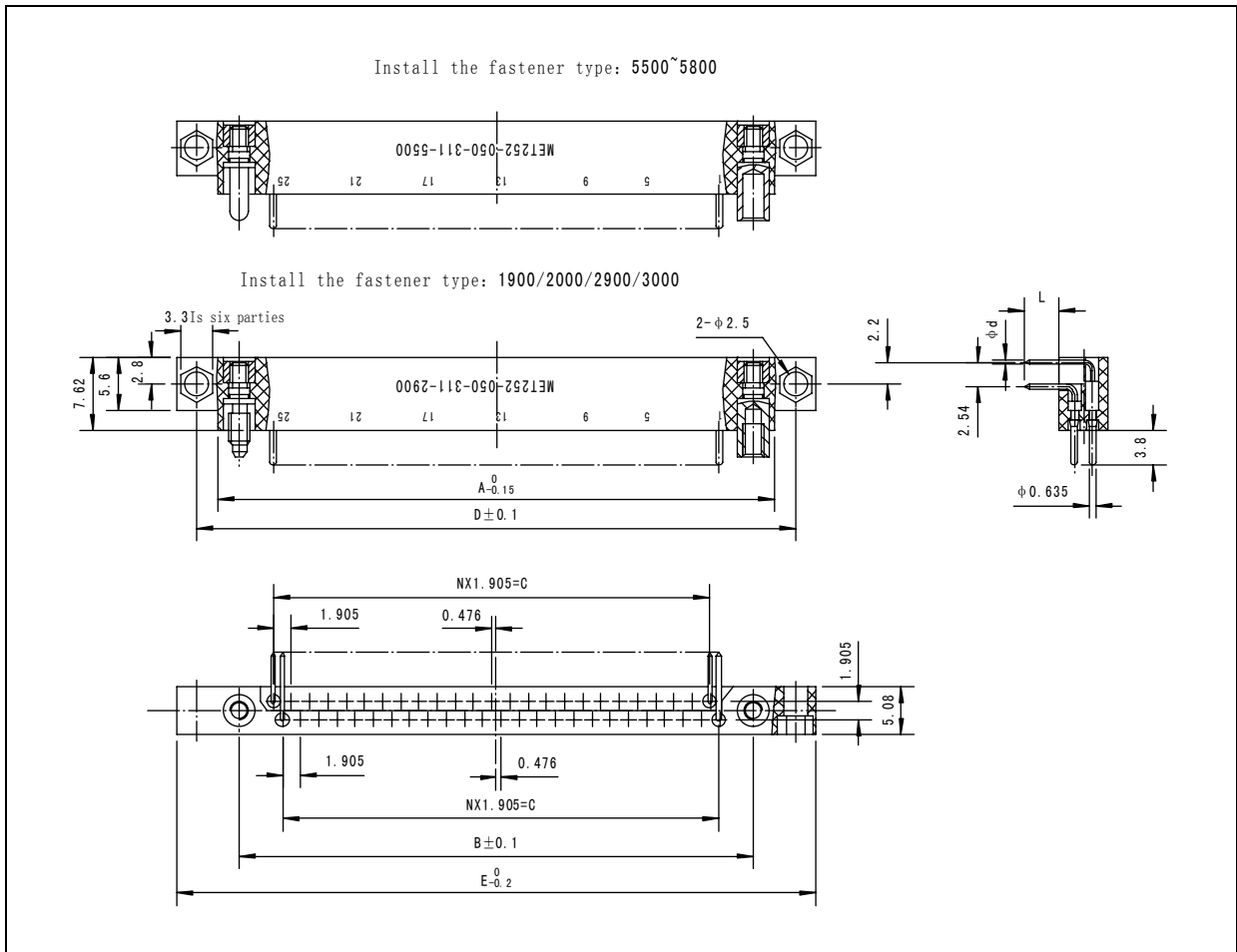
Plug type	A	B	C	F	N
MET232-010-XX1-XXXX	20.2	15.7	7.62	11.2	4
MET232-020-XX1-XXXX	29.8	25.2	17.15	20.8	9
MET232-030-XX1-XXXX	39.3	34.7	26.67	30.3	14
MET232-040-XX1-XXXX	48.8	44.2	36.20	39.8	19
MET232-050-XX1-XXXX	58.3	53.8	45.72	49.3	24
MET232-060-XX1-XXXX	67.9	63.3	55.25	58.9	29
MET232-070-XX1-XXXX	77.4	72.8	64.77	68.4	34
MET232-080-XX1-XXXX	86.9	82.3	74.30	77.9	39
MET232-090-XX1-XXXX	96.4	91.9	83.82	87.4	44
MET232-100-XX1-XXXX	106	101.4	93.35	97	49

Fastener type	H1	H2	End structure
5900~6200	5.5	—	Allen
6400~6700	12.9	—	Slotted Drives
6800~7100	14.2	—	
5100~5400	18.2	—	
7200~7500	12.9	—	Allen
7600~7900	14.2	—	
8000~8300	18.2	—	
8400~8700	—	6.88	—
8800~9100	—	6.88	—
5500~5800	—	0	—
1900/2000/2900/3000	—	0	—

● Optional contact type

Contact type	Φd	L	Termination format
10	0.5	2.77	Straight dip soldering
12	0.5	3.56	
13	0.5	4.37	
11	Inner diameter of the wire soldering cupΦ0.7		Wire soldering

MET 2 series elbow plug with mounting ear



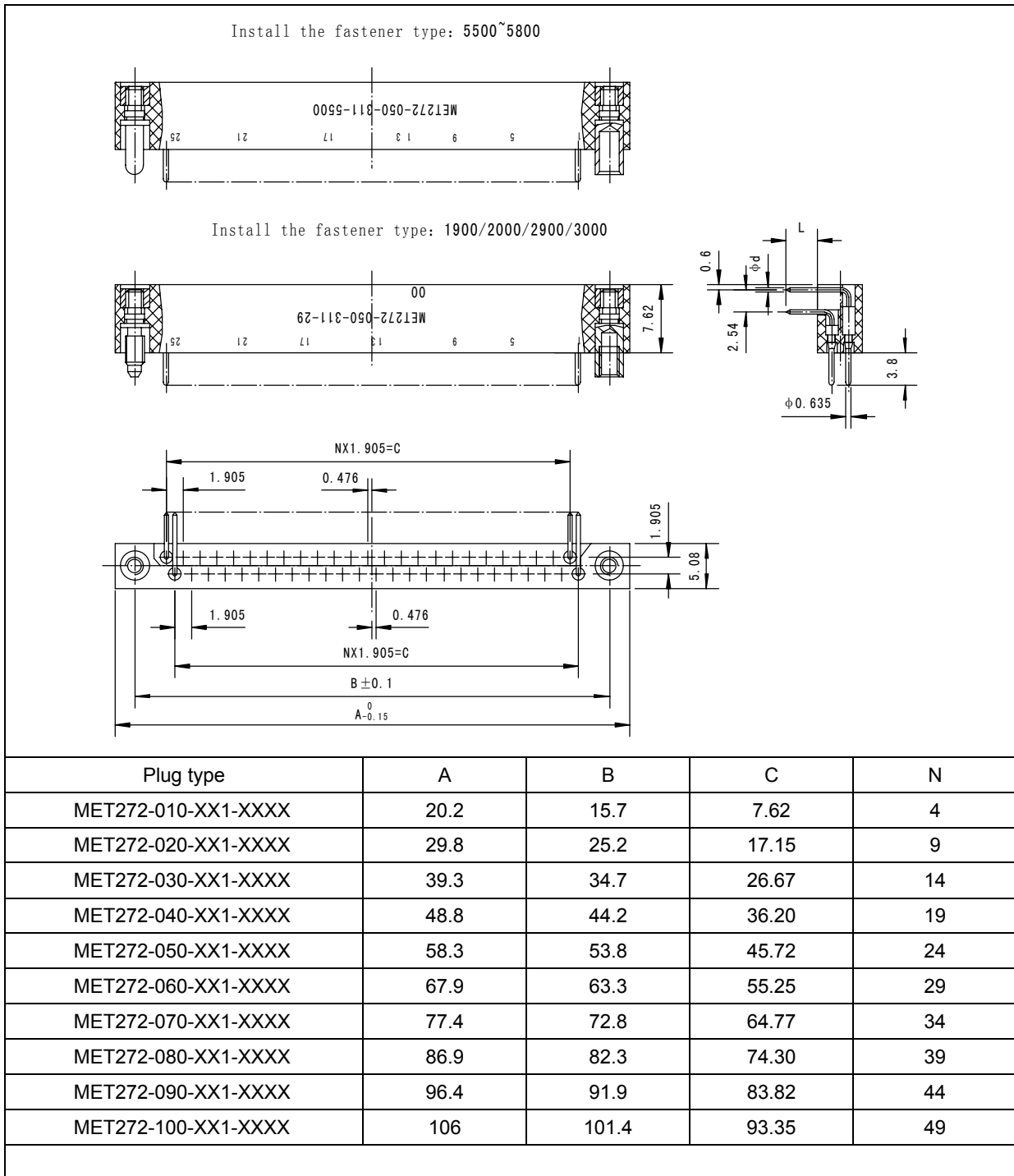
Plug type	A	B	C	D	E	N
MET252-010-XX1-XXXX	20.2	15.7	7.62	24.6	28.9	4
MET252-020-XX1-XXXX	29.8	25.2	17.15	34.1	38.4	9
MET252-030-XX1-XXXX	39.3	34.7	26.67	43.6	47.9	14
MET252-040-XX1-XXXX	48.8	44.2	36.20	53.1	57.5	19
MET252-050-XX1-XXXX	58.3	53.8	45.72	62.7	67	24
MET252-060-XX1-XXXX	67.9	63.3	55.25	72.2	76.5	29
MET252-070-XX1-XXXX	77.4	72.8	64.77	81.7	86	34
MET252-080-XX1-XXXX	86.9	82.3	74.30	91.2	95.6	39
MET252-090-XX1-XXXX	96.4	91.9	83.82	100.8	105.1	44
MET252-100-XX1-XXXX	106	101.4	93.35	110.3	114.6	49

● Optional contact type

Contact type	Φd	L	Termination
31	0.5	2.77	Elbow dip soldering
32	0.5	3.56	
33	0.5	4.37	

Contact type	Φd	L	Termination
34	0.4	2.77	Elbow dip soldering
35	0.4	3.56	
36	0.4	4.37	

MET 2 series elbow plug without mounting ear

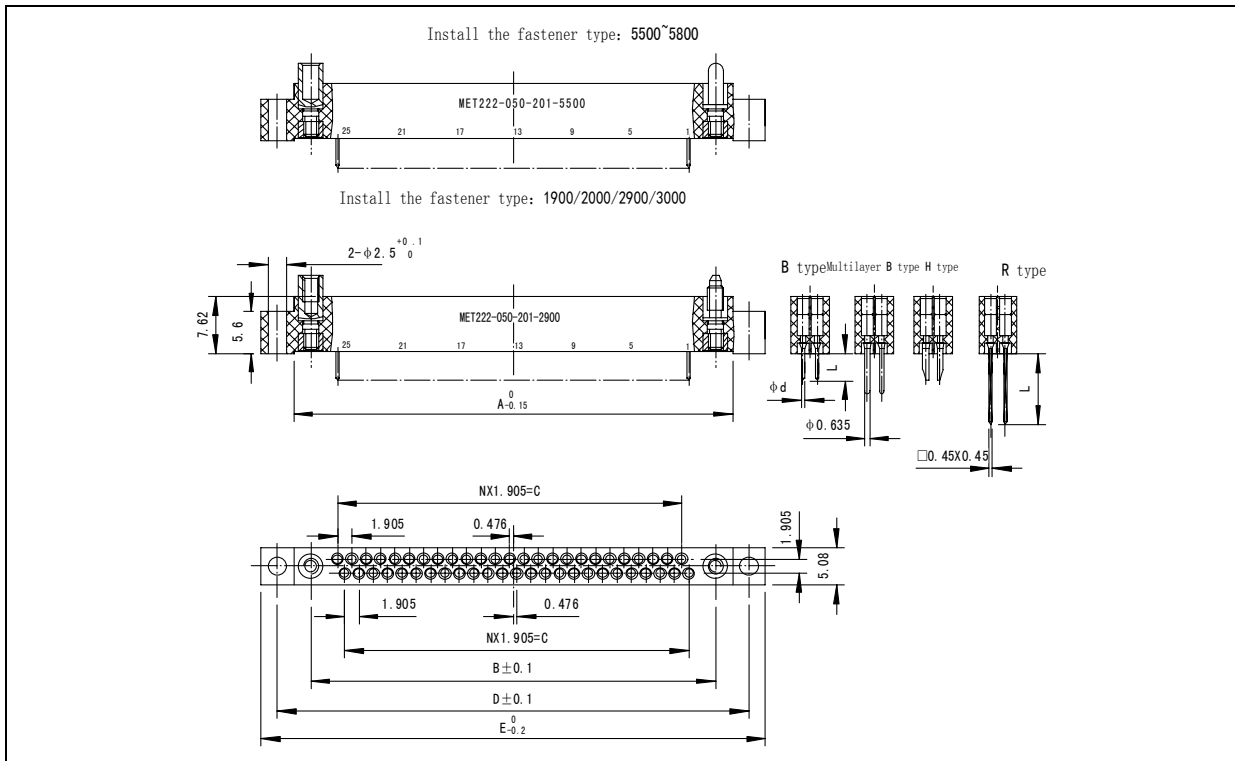


● Optional contact type

Contact type	Φd	L	Termination
31	0.5	2.77	Elbow dip soldering
32	0.5	3.56	
33	0.5	4.37	

Contact type	Φd	L	Termination
34	0.4	2.77	Elbow dip soldering
35	0.4	3.56	
36	0.4	4.37	

MET2 series straight receptacle with mounting ear



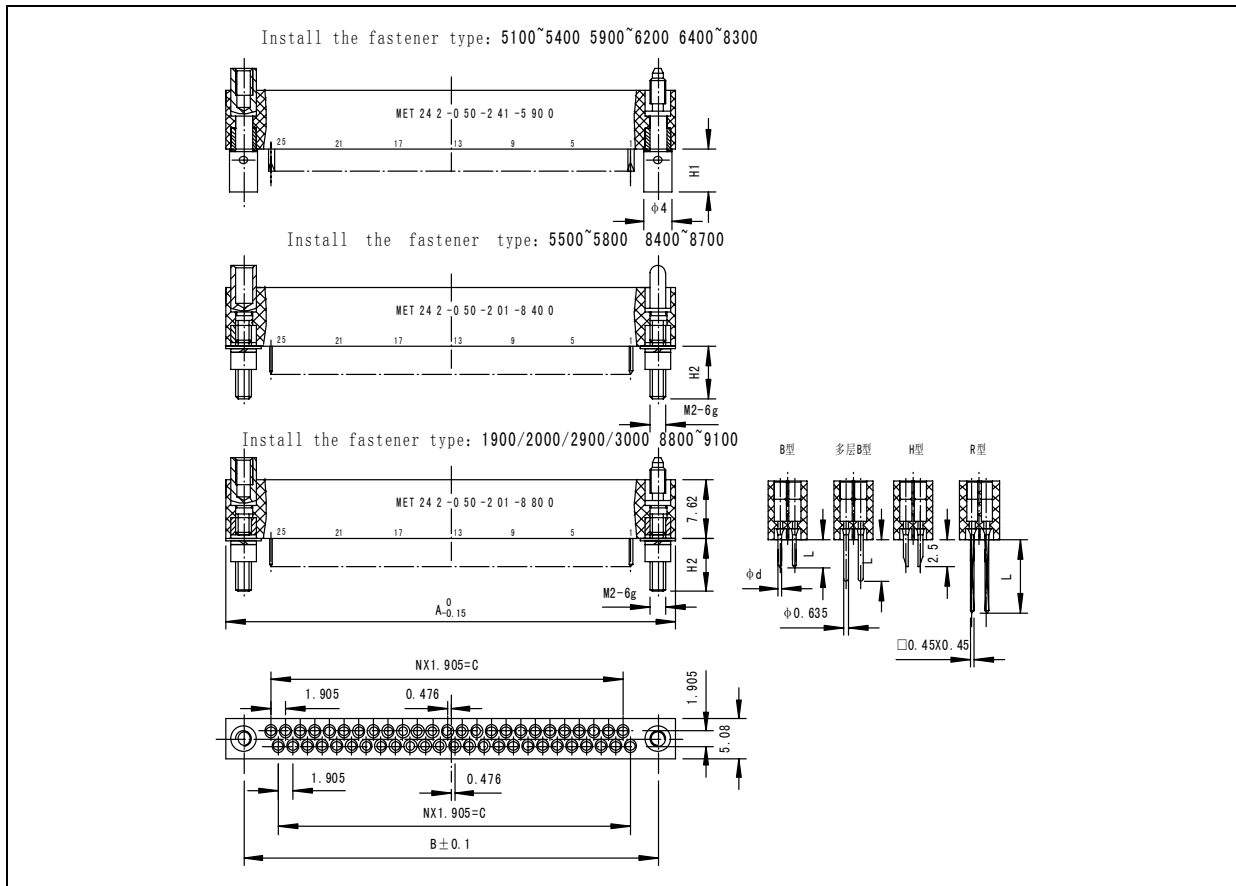
Receptacle type	A	B	C	D	E	N
MET222-010-XX1-XXXX	20.2	15.7	7.62	24.6	28.9	4
MET222-020-XX1-XXXX	29.8	25.2	17.15	34.1	38.4	9
MET222-030-XX1-XXXX	39.3	34.7	26.67	43.6	47.9	14
MET222-040-XX1-XXXX	48.8	44.2	36.20	53.1	57.5	19
MET222-050-XX1-XXXX	58.3	53.8	45.72	62.7	67	24
MET222-060-XX1-XXXX	67.9	63.3	55.25	72.2	76.5	29
MET222-070-XX1-XXXX	77.4	72.8	64.77	81.7	86	34
MET222-080-XX1-XXXX	86.9	82.3	74.30	91.2	95.6	39
MET222-090-XX1-XXXX	96.4	91.9	83.82	100.8	105.1	44
MET222-100-XX1-XXXX	106	101.4	93.35	110.3	114.6	49

● Optional contact type

Contact type	Φd	L	Termination
20	0.5	2.77	Straight dip soldering
21	0.5	3.56	
22	0.5	4.37	
50	0.4	3.56	
51	0.4	4.37	
24	Inner diameter of the wire soldering cup Φ0.7		Wire soldering

Contact type	Φd	L	Termination
26	—	12.7	Wire wrap
27	—	9.53	
28	—	15.88	
53	—	5.38	Multilayer PCB stacking
54	—	6.2	
55	—	6.99	

MET 2 series straight receptacle without mounting ear



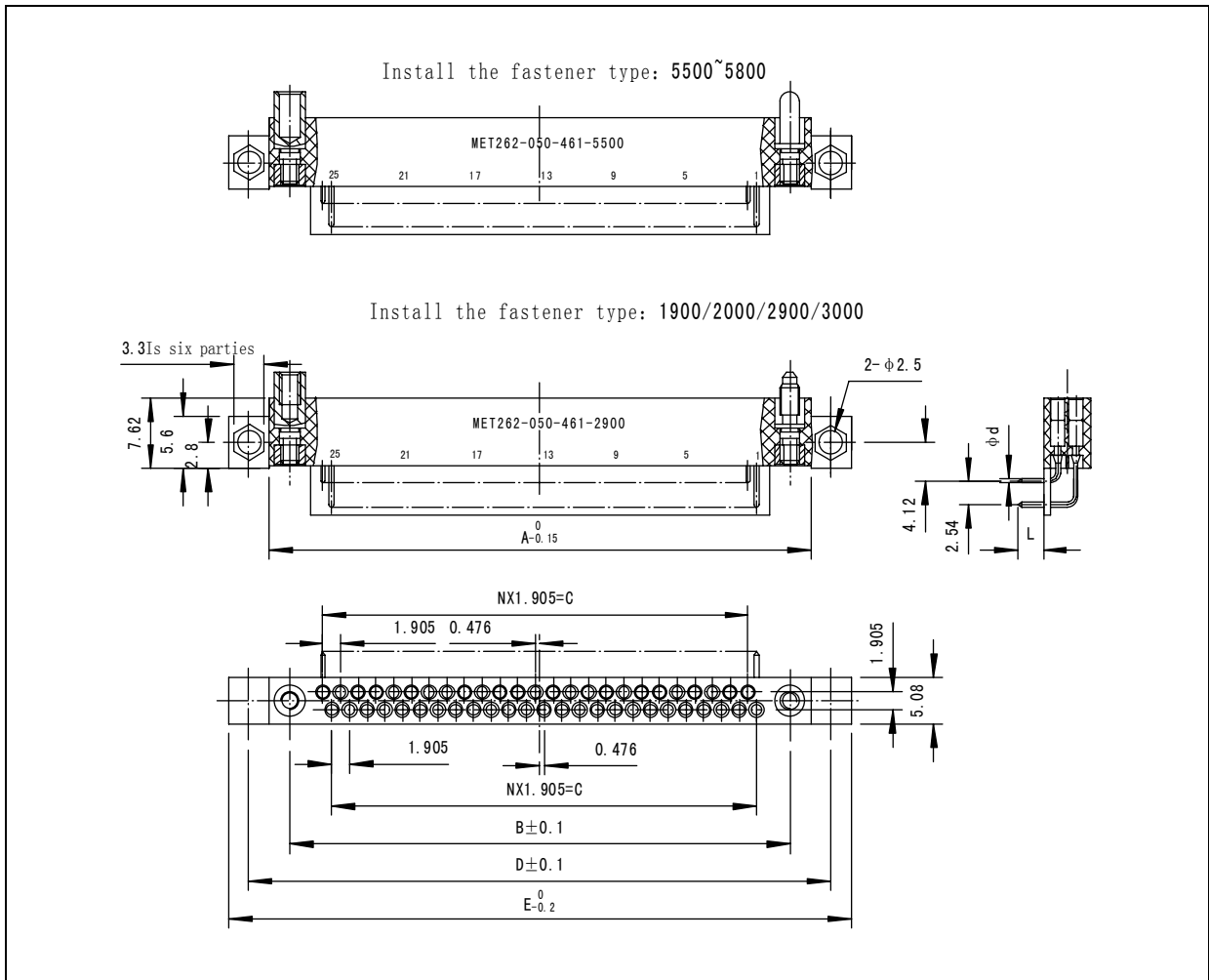
Optional fastener size

Receptacle type	A	B	C	N	Fastener type	H1	H2	End structure
MET242-010-XX1-XXXX	20.2	15.7	7.62	4	5900~6200	5.5	—	Allen
MET242-020-XX1-XXXX	29.8	25.2	17.15	9	6400~6700	12.9	—	Slotted Drives
MET242-030-XX1-XXXX	39.3	34.7	26.67	14	6800~7100	14.2	—	
MET242-040-XX1-XXXX	48.8	44.2	36.20	19	5100~5400	18.2	—	
MET242-050-XX1-XXXX	58.3	53.8	45.72	24	7200~7500	12.9	—	Allen
MET242-060-XX1-XXXX	67.9	63.3	55.25	29	7600~7900	14.2	—	
MET242-070-XX1-XXXX	77.4	72.8	64.77	34	8000~8300	18.2	—	
MET242-080-XX1-XXXX	86.9	82.3	74.30	39	8400~8700	—	6.88	—
MET242-090-XX1-XXXX	96.4	91.9	83.82	44	8800~9100	—	6.88	—
MET242-100-XX1-XXXX	106	101.4	93.35	49	5500~5800	—	0	—
					1900/2000/2900/3000	—	0	—

● Optional contact type

Contact type	Φd	L	Terminating	Contact type	Φd	L	Terminating
20	0.5	2.77	Straight dip soldering	26	—	12.7	Wire wrap
21	0.5	3.56		27	—	9.53	
22	0.5	4.37		28	—	15.88	
50	0.4	3.56		53	—	5.38	Multilayer PCB stacking
51	0.4	4.37		54	—	6.2	
24	Inner dia. of the wire soldering cup Φ0.7		Wire soldering	55	—	6.99	

MET 2 series elbow receptacle with mounting ear

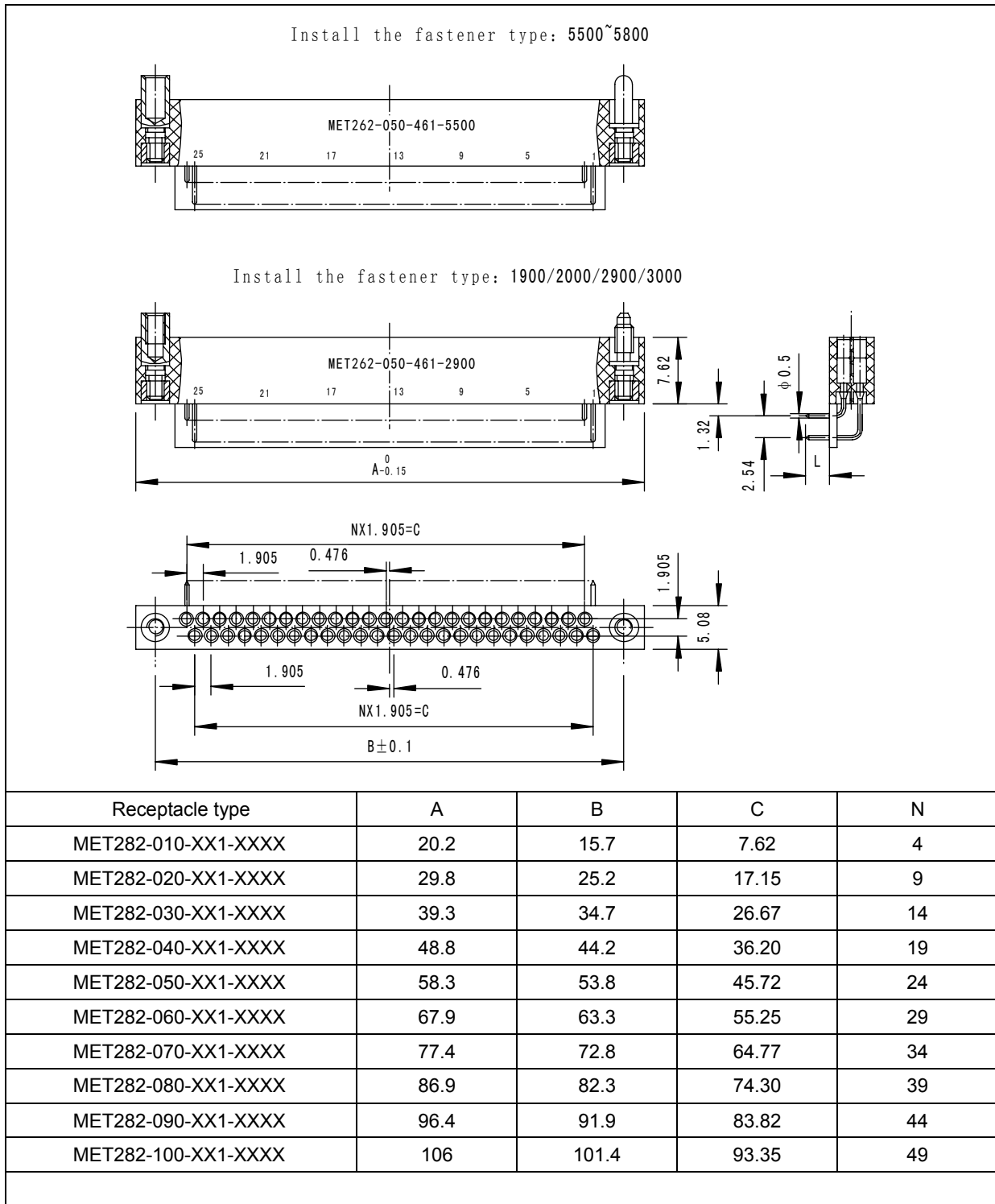


Receptacle type	A	B	C	D	E	N
MET262-010-XX1-XXXX	20.2	15.7	7.62	24.6	28.9	4
MET262-020-XX1-XXXX	29.8	25.2	17.15	34.1	38.4	9
MET262-030-XX1-XXXX	39.3	34.7	26.67	43.6	47.9	14
MET262-040-XX1-XXXX	48.8	44.2	36.20	53.1	57.5	19
MET262-050-XX1-XXXX	58.3	53.8	45.72	62.7	67	24
MET262-060-XX1-XXXX	67.9	63.3	55.25	72.2	76.5	29
MET262-070-XX1-XXXX	77.4	72.8	64.77	81.7	86	34
MET262-080-XX1-XXXX	86.9	82.3	74.30	91.2	95.6	39
MET262-090-XX1-XXXX	96.4	91.9	83.82	100.8	105.1	44
MET262-100-XX1-XXXX	106	101.4	93.35	110.3	114.6	49

● Optional contact type

Contact type	Φd	L	Termination
44	0.5	2.77	Elbow dip soldering
45	0.5	3.56	
46	0.5	4.37	

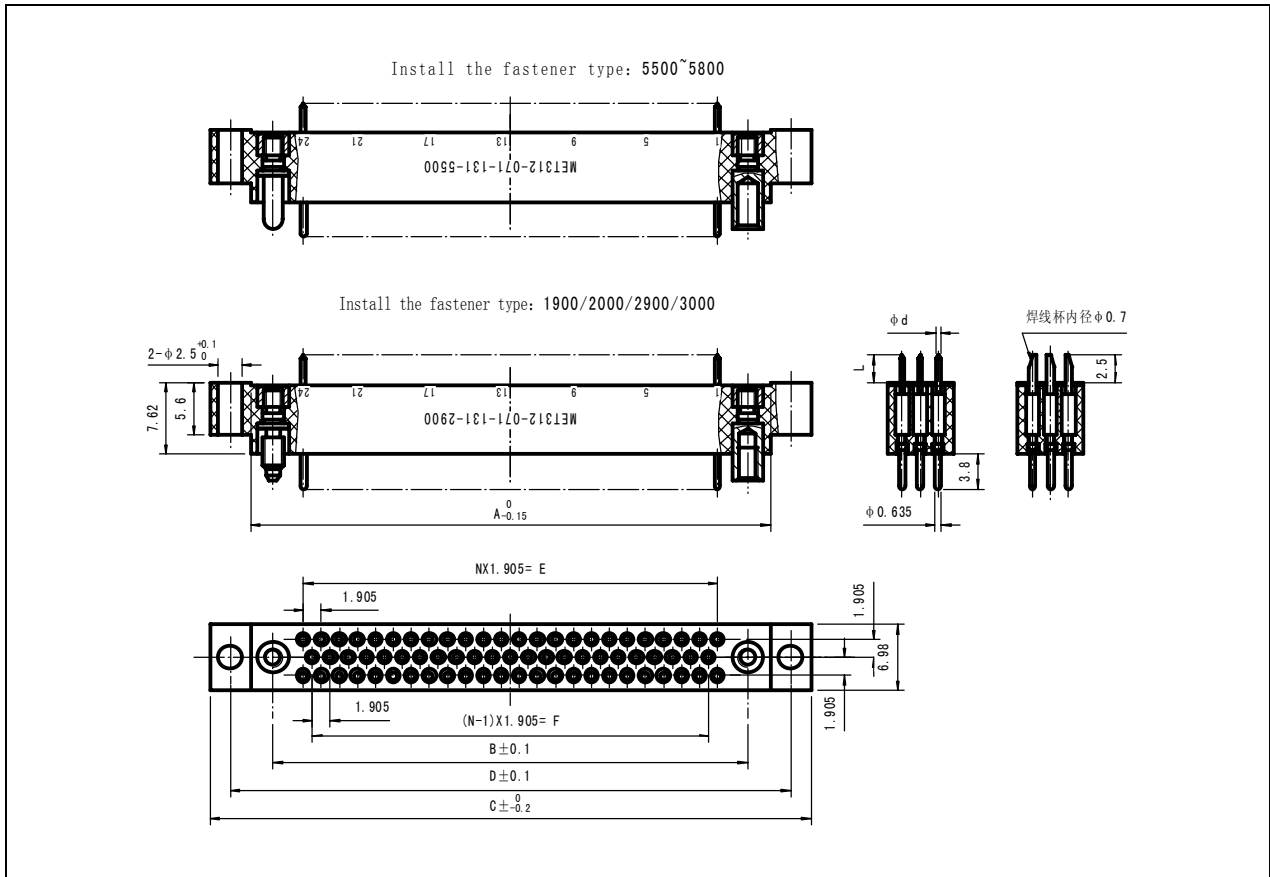
MET 2 series elbow receptacle without mounting ear



● **Optional contact type**

Contact type	Φd	L	Termination format
44	0.5	2.77	Elbow dip soldering
45	0.5	3.56	
46	0.5	4.37	

[MET 3 series] MET 3 series straight plug with mounting ear

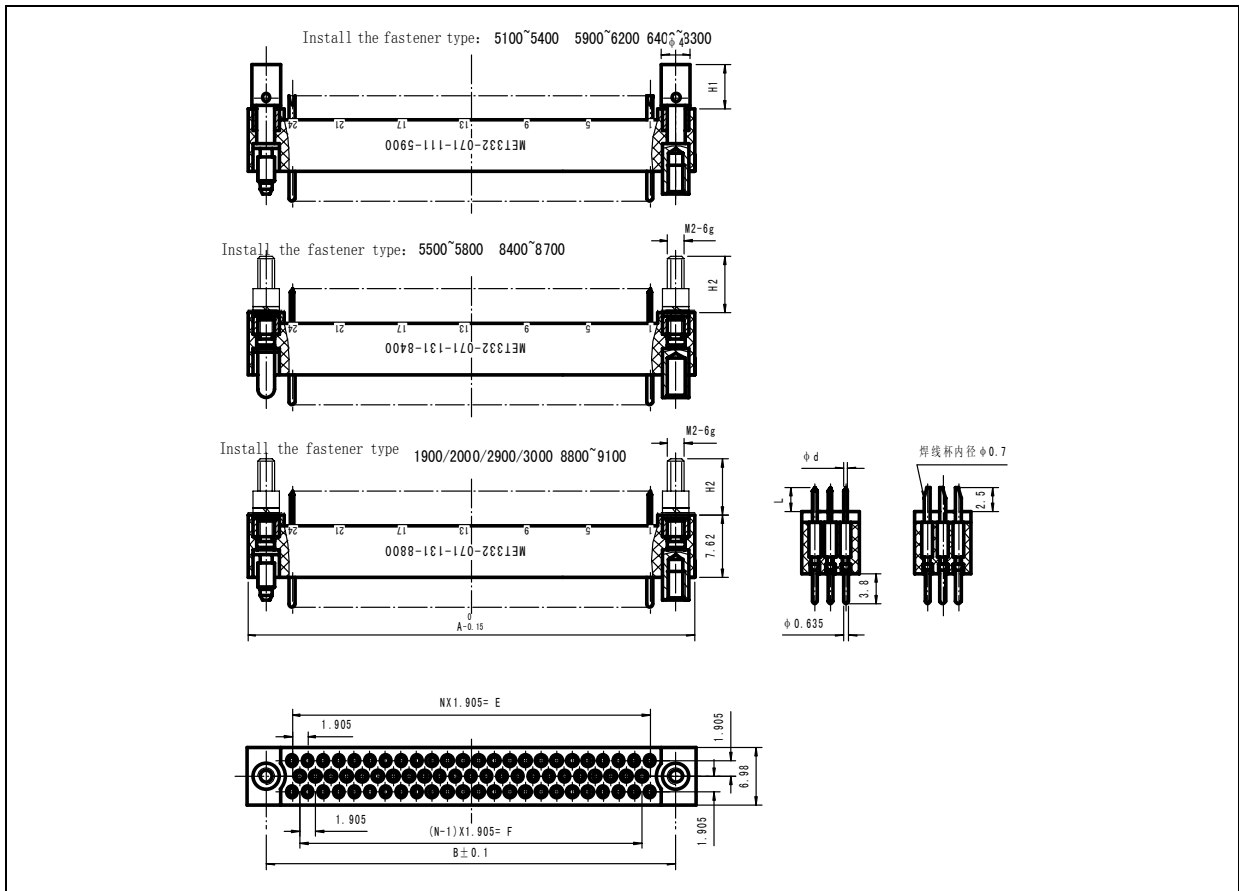


Plug type	A	B	C	D	E	F	N
MET312-011-XX1-XXXX	16.9	12.1	25.5	21.2	5.72	3.81	3
MET312-023-XX1-XXXX	24.5	19.7	33.1	28.8	13.34	11.43	7
MET312-035-XX1-XXXX	32.1	27.3	40.8	36.4	20.96	19.05	11
MET312-047-XX1-XXXX	39.8	34.9	48.4	44	28.58	26.67	15
MET312-059-XX1-XXXX	47.4	42.5	56	51.7	36.2	34.29	19
MET312-071-XX1-XXXX	55	50.2	63.6	59.3	43.82	41.91	23
MET312-080-XX1-XXXX	60.7	55.9	69.3	65	49.53	47.63	26
MET312-104-XX1-XXXX	76	71.1	84.6	80.3	64.77	62.865	35
MET312-122-XX1-XXXX	87.4	82.6	96	91.7	76.2	74.3	40
MET312-140-XX1-XXXX	98.8	94	107.4	103.1	87.63	85.725	47
MET312-152-XX1-XXXX	106.4	101.6	115.1	110.7	95.25	93.35	50
MET312-206-XX1-XXXX	140.7	135.9	149.4	145	129.54	127.64	68

● Optional contact type

Contact	Φd	L	Termination
10	0.5	2.77	Straight dip soldering
12	0.5	3.56	
13	0.5	4.37	
11	Inner diameter of the wire soldering cupΦ0.7		Wire soldering

MET 3 series straight plug without mounting ear



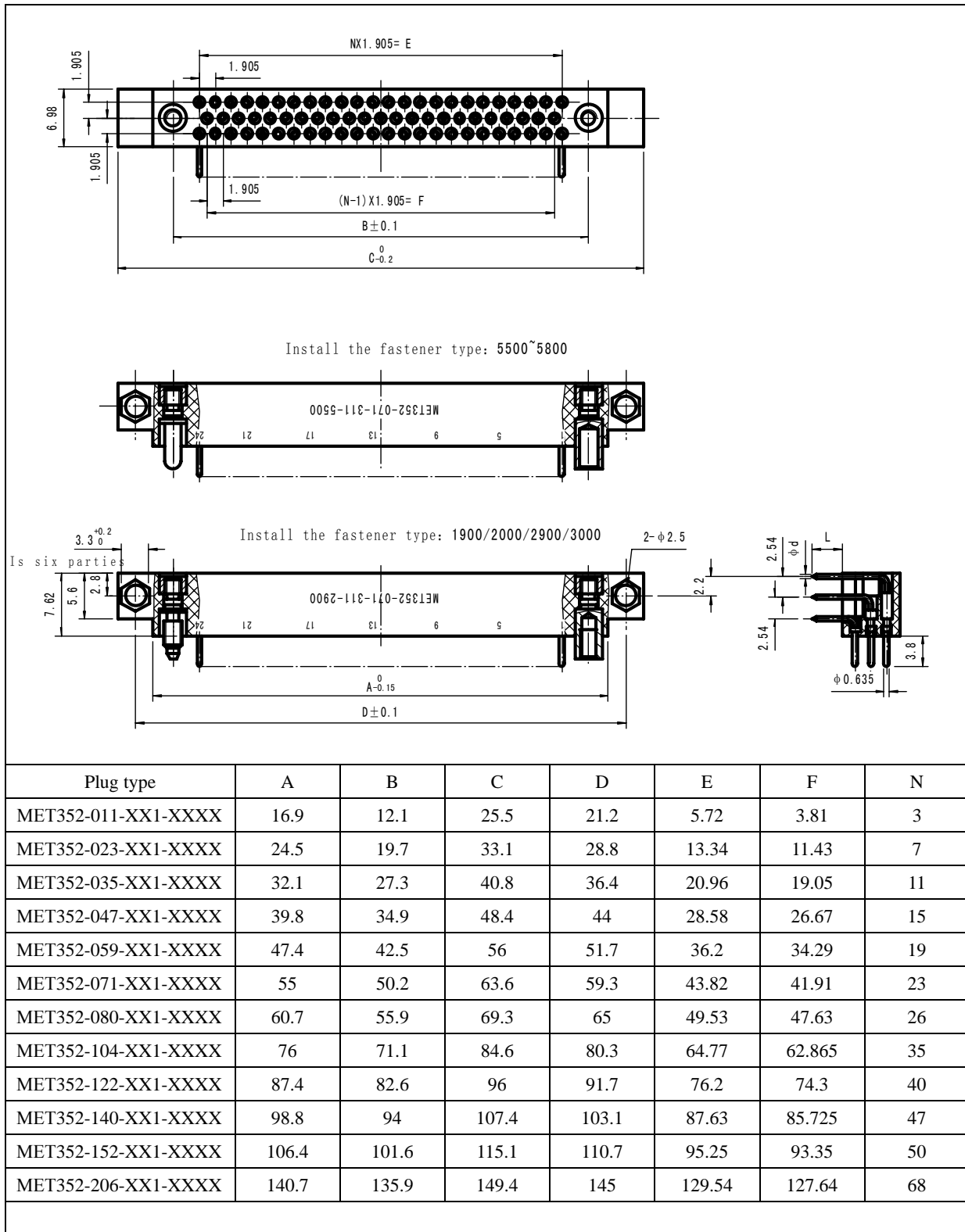
Optional fastener size

Plug type	A	B	E	F	N	Fastener type	H1	H2	End structure
MET332-011-XX1-XXXX	16.9	12.1	5.72	3.81	3	5900~6200	5.5	—	Allen
MET332-023-XX1-XXXX	24.5	19.7	13.34	11.43	7	6400~6700	12.9	—	Slotted drives
MET332-035-XX1-XXXX	32.1	27.3	20.96	19.05	11	6800~7100	14.2	—	
MET332-047-XX1-XXXX	39.8	34.9	28.58	26.67	15	5100~5400	18.2	—	
MET332-059-XX1-XXXX	47.4	42.5	36.2	34.29	19	7200~7500	12.9	—	Allen
MET332-071-XX1-XXXX	55	50.2	43.82	41.91	23	7600~7900	14.2	—	
MET332-080-XX1-XXXX	60.7	55.9	49.53	47.63	26	8000~8300	18.2	—	
MET332-104-XX1-XXXX	76	71.1	64.77	62.865	35	8400~8700	—	6.88	—
MET332-122-XX1-XXXX	87.4	82.6	76.2	74.3	40	8800~9100	—	6.88	—
MET332-140-XX1-XXXX	98.8	94	87.63	85.725	47	5500~5800	—	0	—
MET332-152-XX1-XXXX	106.4	101.6	95.25	93.35	50	1900/2000/ 2900/3000	—	0	—
MET332-206-XX1-XXXX	140.7	135.9	129.54	127.64	68				

● Optional contact type

Contact type	Φd	L	Termination format
10	0.5	2.77	Straight dip soldering
12	0.5	3.56	
13	0.5	4.37	
11	Inner diameter of the wire soldering cup Φ0.7		Wire soldering

MET 3 series elbow plug with mounting ear

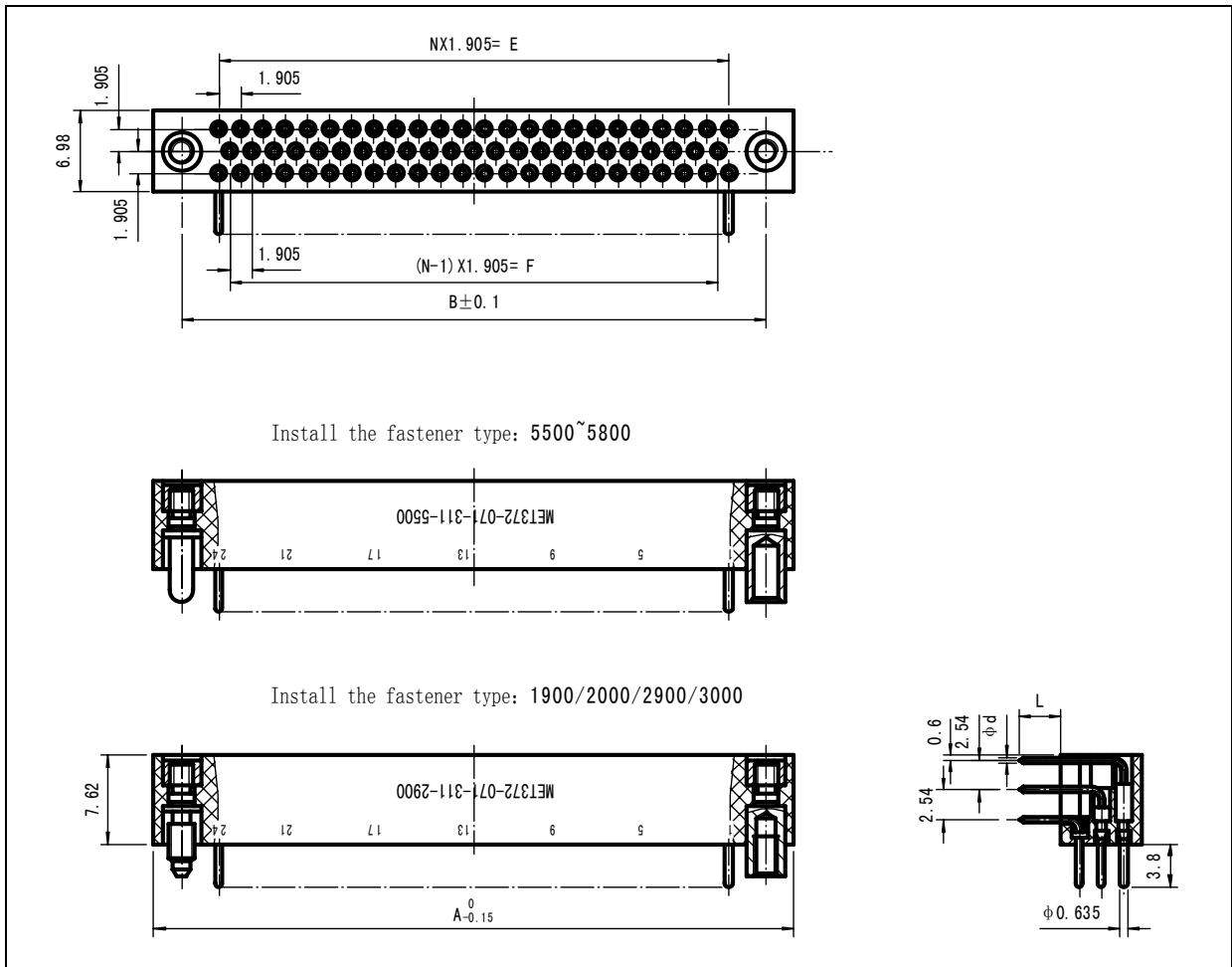


● Optional contact type

Contact type	Φd	L	Termination
31	0.5	2.77	Elbow dip soldering
32	0.5	3.56	
33	0.5	4.37	

Contact type	Φd	L	Termination
34	0.4	2.77	Elbow dip soldering
35	0.4	3.56	
36	0.4	4.37	

MET 3 series elbow plug without mounting ear



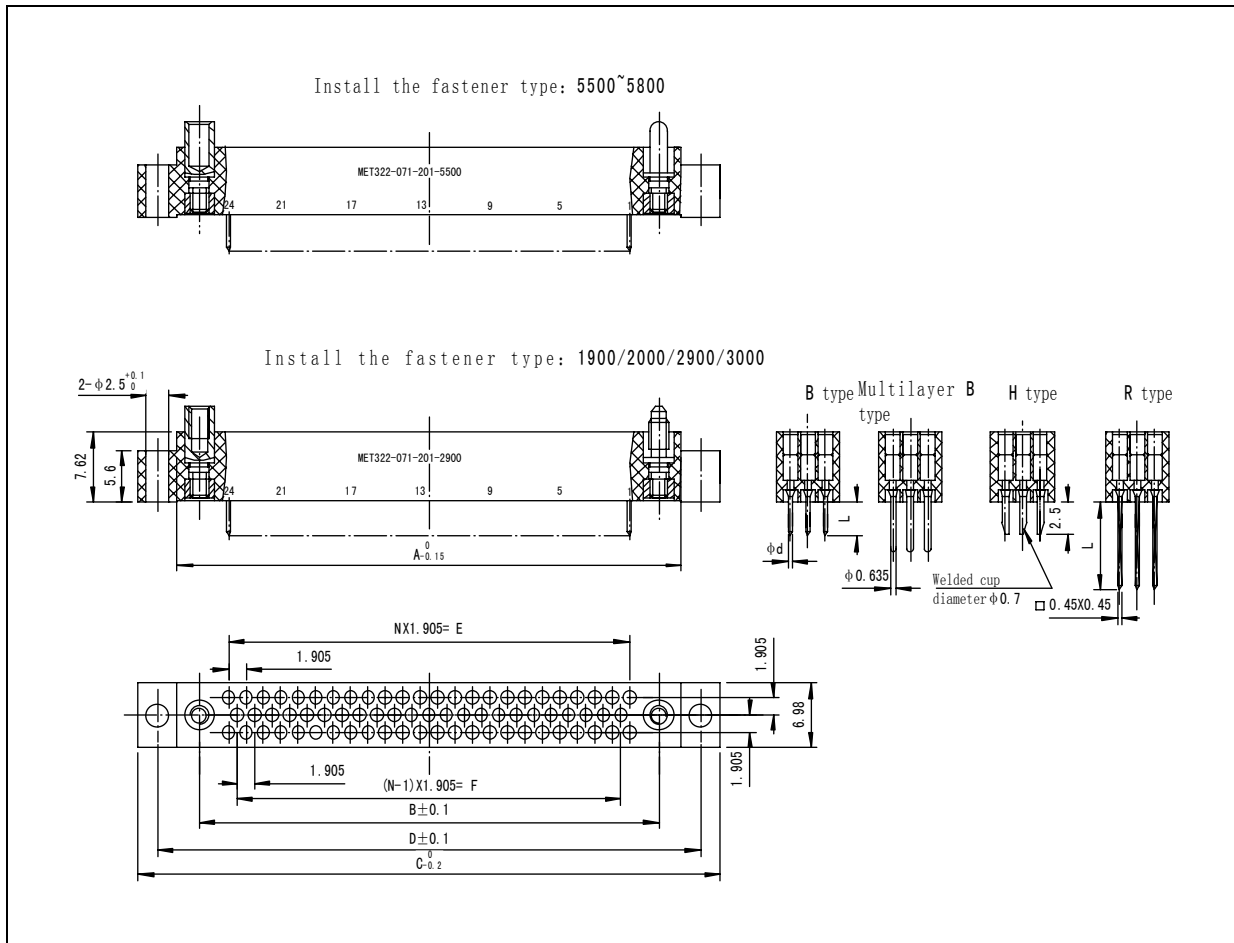
Plug type	A	B	E	F	N
MET372-011-XX1-XXXX	16.9	12.1	5.72	3.81	3
MET372-023-XX1-XXXX	24.5	19.7	13.34	11.43	7
MET372-035-XX1-XXXX	32.1	27.3	20.96	19.05	11
MET372-047-XX1-XXXX	39.8	34.9	28.58	26.67	15
MET372-059-XX1-XXXX	47.4	42.5	36.2	34.29	19
MET372-071-XX1-XXXX	55	50.2	43.82	41.91	23
MET372-080-XX1-XXXX	60.7	55.9	49.53	47.63	26
MET372-104-XX1-XXXX	76	71.1	64.77	62.865	35
MET372-122-XX1-XXXX	87.4	82.6	76.2	74.3	40
MET372-140-XX1-XXXX	98.8	94	87.63	74.3	40
MET372-152-XX1-XXXX	106.4	101.6	95.25	93.35	50
MET372-206-XX1-XXXX	140.7	135.9	129.54	127.64	68

● Optional contact type

Contact type	Φd	L	Termination
31	0.5	2.77	Elbow dip soldering
32	0.5	3.56	
33	0.5	4.37	

Contact type	Φd	L	Termination
34	0.4	2.77	Elbow dip soldering
35	0.4	3.56	
36	0.4	4.37	

MET 3 series straight receptacle with mounting ear



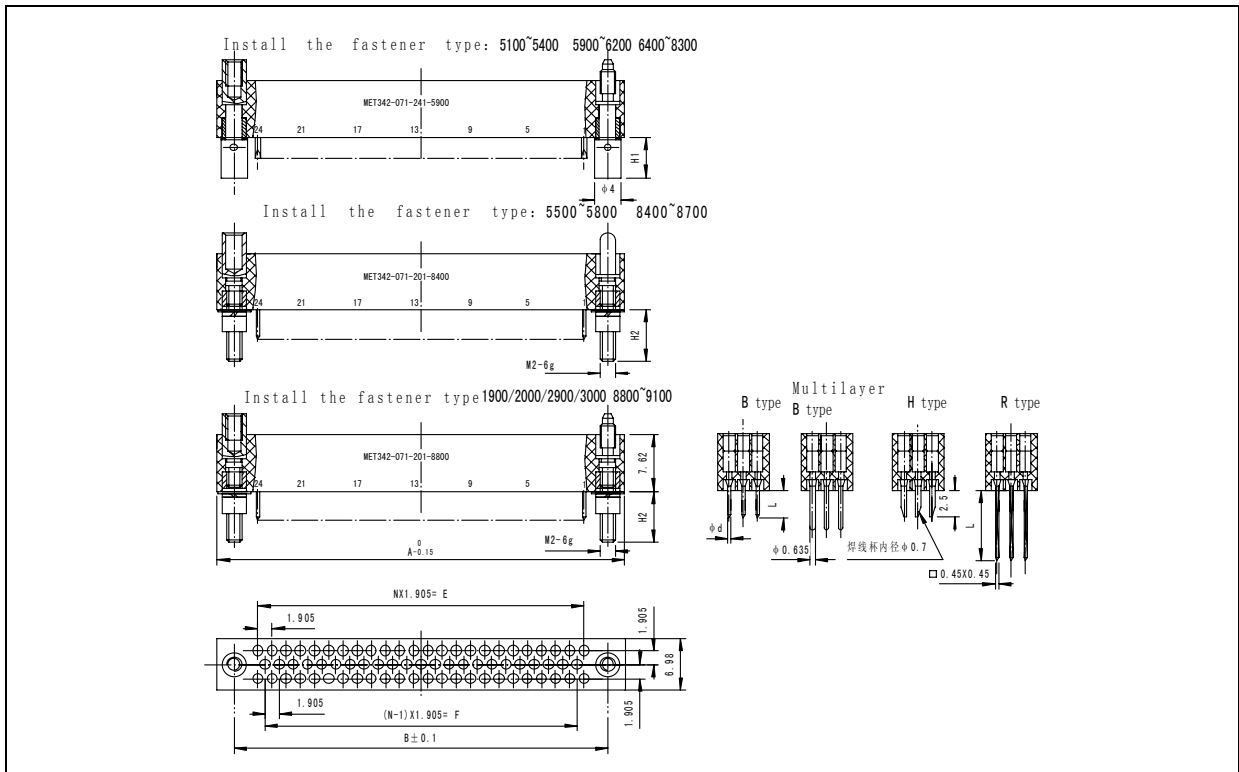
Receptacle type	A	B	C	D	E	F	N
MET322-011-XX1-XXXX	16.9	12.1	25.5	21.2	5.72	3.81	3
MET322-023-XX1-XXXX	24.5	19.7	33.1	28.8	13.34	11.43	7
MET322-035-XX1-XXXX	32.1	27.3	40.8	36.4	20.96	19.05	11
MET322-047-XX1-XXXX	39.8	34.9	48.4	44	28.58	26.67	15
MET322-059-XX1-XXXX	47.4	42.5	56	51.7	36.2	34.29	19
MET322-071-XX1-XXXX	55	50.2	63.6	59.3	43.82	41.91	23
MET322-080-XX1-XXXX	60.7	55.9	69.3	65	49.53	47.63	26
MET322-104-XX1-XXXX	76	71.1	84.6	80.3	64.77	62.865	35
MET322-122-XX1-XXXX	87.4	82.6	96	91.7	76.2	74.3	40
MET322-140-XX1-XXXX	98.8	94	107.4	103.1	87.63	85.725	47
MET322-152-XX1-XXXX	106.4	101.6	115.1	110.7	95.25	93.35	50
MET322-206-XX1-XXXX	140.7	135.9	149.4	145	129.54	127.64	68

● Optional contact type

Contact type	Φd	L	Termination
20	0.5	2.77	Straight dip soldering
21	0.5	3.56	
22	0.5	4.37	
50	0.4	3.56	
51	0.4	4.37	

Contact type	Φd	L	Termination
26	—	12.7	Wire wrap
27	—	9.53	
28	—	15.88	
53	—	5.38	Multilayer PCB stacking
54	—	6.2	

MET 3 series straight receptacle without mounting ear



Optional fastener size

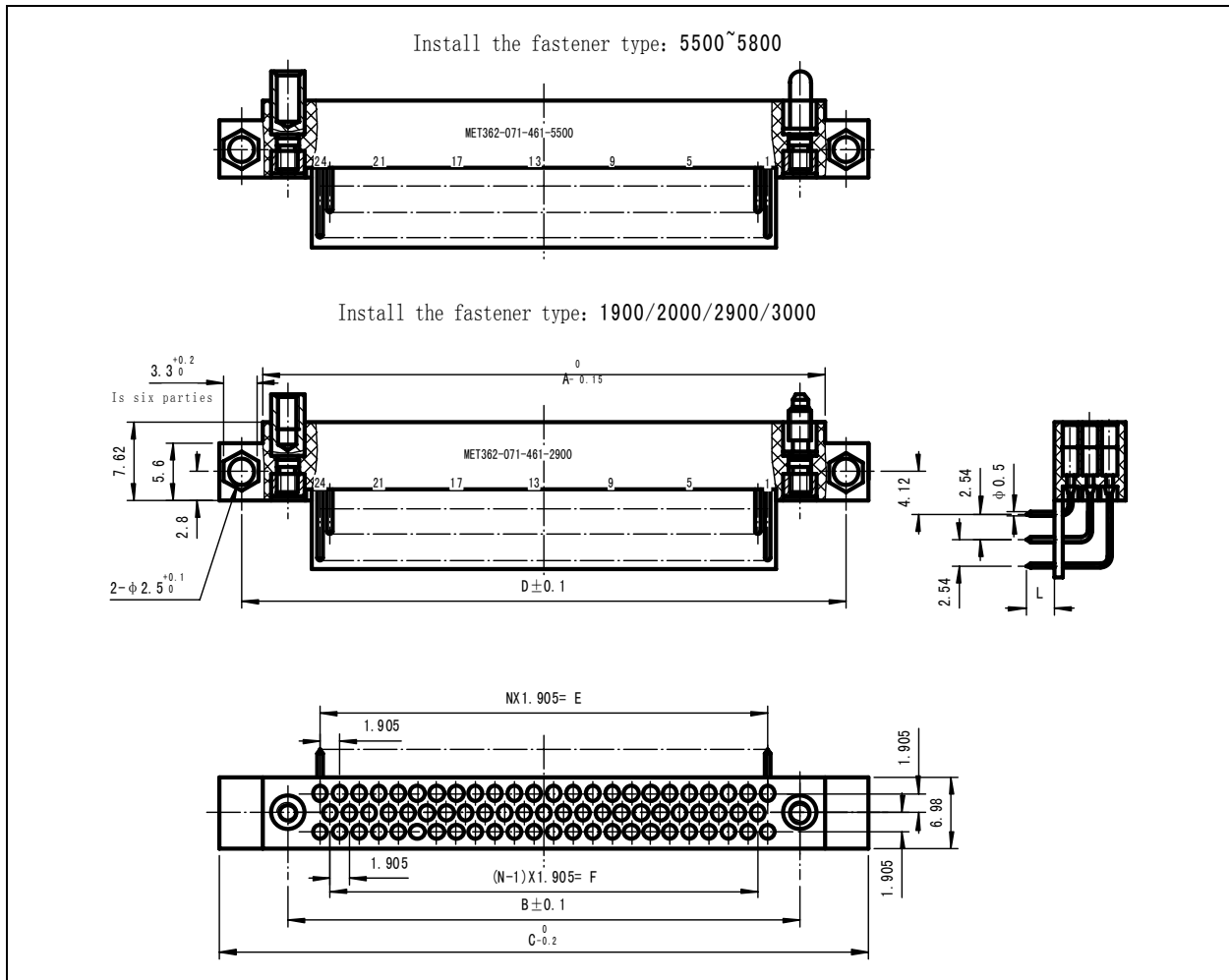
Receptacle type	A	B	E	F	N	Fastener type	H1	H2	End structure
MET342-011-XX1-XXXX	16.9	12.1	5.72	3.81	3	5900~6200	5.5	—	Allen
MET342-023-XX1-XXXX	24.5	19.7	13.34	11.43	7	6400~6700	12.9	—	Slotted drives
MET342-035-XX1-XXXX	32.1	27.3	20.96	19.05	11	6800~7100	14.2	—	
MET342-047-XX1-XXXX	39.8	34.9	28.58	26.67	15	5100~5400	18.2	—	Allen
MET342-059-XX1-XXXX	47.4	42.5	36.2	34.29	19	7200~7500	12.9	—	
MET342-071-XX1-XXXX	55	50.2	43.82	41.91	23	7600~7900	14.2	—	—
MET342-080-XX1-XXXX	60.7	55.9	49.53	47.63	26	8000~8300	18.2	—	
MET342-104-XX1-XXXX	76	71.1	64.77	62.865	35	8400~8700	—	6.88	—
MET342-122-XX1-XXXX	87.4	82.6	76.2	74.3	40	8800~9100	—	6.88	
MET342-140-XX1-XXXX	98.8	94	87.63	85.725	47	5500~5800	—	0	—
MET342-152-XX1-XXXX	106.4	101.6	95.25	93.35	50	1900/2000/2900/3000	—	0	
MET342-206-XX1-XXXX	140.7	135.9	129.54	127.64	68				

● Optional contact type

Contact type	Φd	L	Termination
20	0.5	2.77	Straight dip soldering
21	0.5	3.56	
22	0.5	4.37	
50	0.4	3.56	
51	0.4	4.37	
24	Inner dia. cupΦ0.7		Wire soldering

Contact type	Φd	L	Termination
26	—	12.7	Wire wrap
27	—	9.53	
28	—	15.88	
53	—	5.38	Multilayer PCB stacking
54	—	6.2	
55	—	6.99	

MET 3 series elbow receptacle with mounting ear

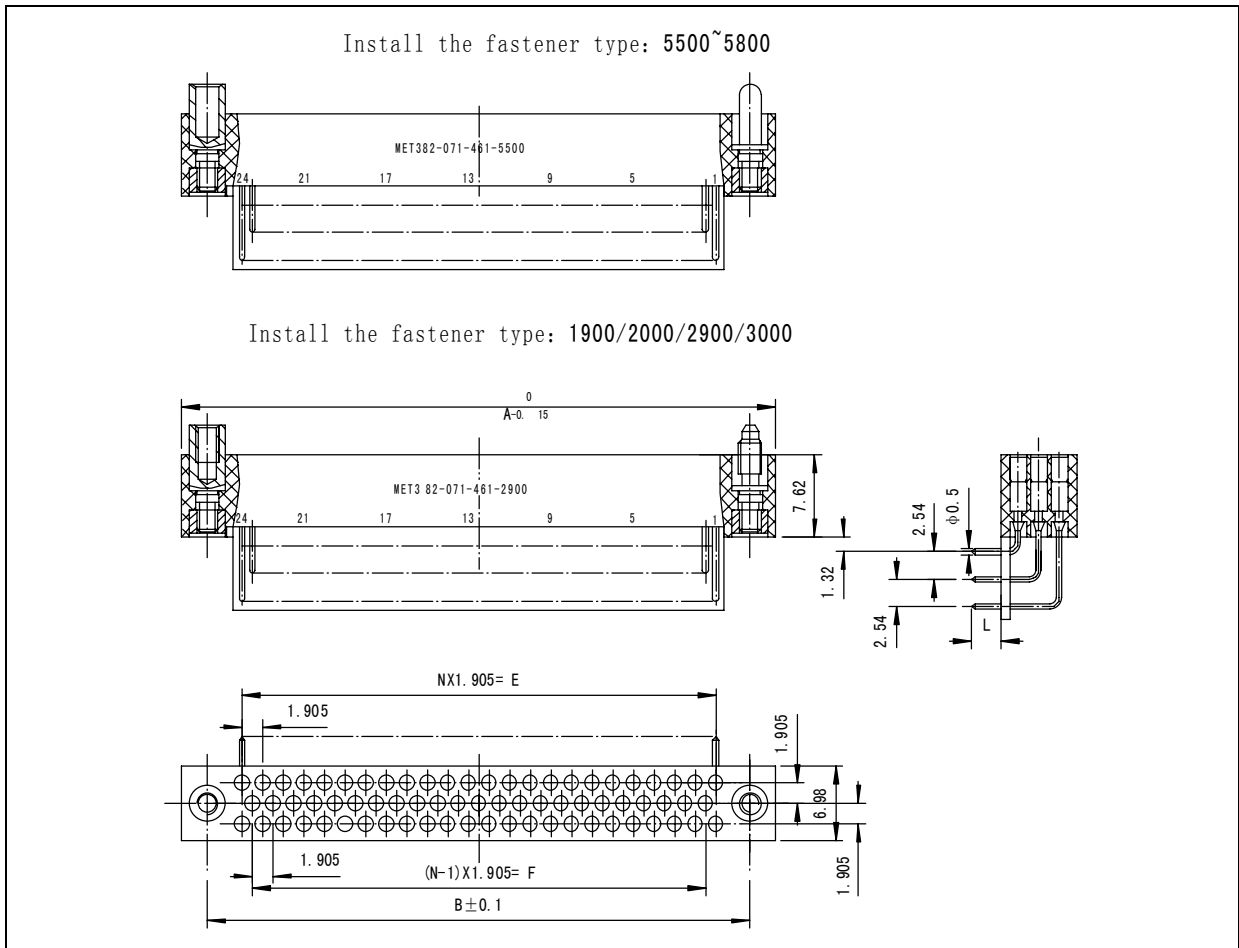


Receptacle type	A	B	C	D	E	F	N
MET362-011-XX1-XXXX	16.9	12.1	25.5	21.2	5.72	3.81	3
MET362-023-XX1-XXXX	24.5	19.7	33.1	28.8	13.34	11.43	7
MET362-035-XX1-XXXX	32.1	27.3	40.8	36.4	20.96	19.05	11
MET362-047-XX1-XXXX	39.8	34.9	48.4	44	28.58	26.67	15
MET362-059-XX1-XXXX	47.4	42.5	56	51.7	36.2	34.29	19
MET362-071-XX1-XXXX	55	50.2	63.6	59.3	43.82	41.91	23
MET362-080-XX1-XXXX	60.7	55.9	69.3	65	49.53	47.63	26
MET362-104-XX1-XXXX	76	71.1	84.6	80.3	64.77	62.865	35
MET362-122-XX1-XXXX	87.4	82.6	96	91.7	76.2	74.3	40
MET362-140-XX1-XXXX	98.8	94	107.4	103.1	87.63	85.725	47
MET362-152-XX1-XXXX	106.4	101.6	115.1	110.7	95.25	93.35	50
MET362-206-XX1-XXXX	140.7	135.9	149.4	145	129.54	127.64	68

● Optional contact type

Contact type	Φd	L	Termination g format
44	0.5	2.77	Elbow dip soldering
45	0.5	3.56	
46	0.5	4.37	

MET 3 series elbow receptacle without mounting ear



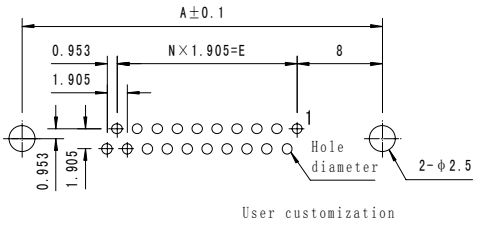
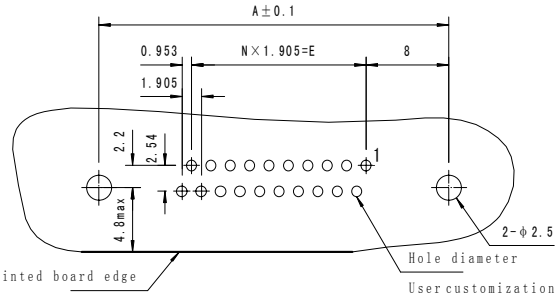
Receptacle type	A	B	E	F	N
MET382-011-XX1-XXXX	16.9	12.1	5.72	3.81	3
MET382-023-XX1-XXXX	24.5	19.7	13.34	11.43	7
MET382-035-XX1-XXXX	32.1	27.3	20.96	19.05	11
MET382-047-XX1-XXXX	39.8	34.9	28.58	26.67	15
MET382-059-XX1-XXXX	47.4	42.5	36.2	34.29	19
MET382-071-XX1-XXXX	55	50.2	43.82	41.91	23
MET382-080-XX1-XXXX	60.7	55.9	49.53	47.63	26
MET382-104-XX1-XXXX	76	71.1	64.77	62.865	35
MET382-122-XX1-XXXX	87.4	82.6	76.2	74.3	40
MET382-140-XX1-XXXX	98.8	94	87.63	85.725	47
MET382-152-XX1-XXXX	106.4	101.6	95.25	93.35	50
MET382-206-XX1-XXXX	140.7	135.9	129.54	127.64	68

● Optional contact type

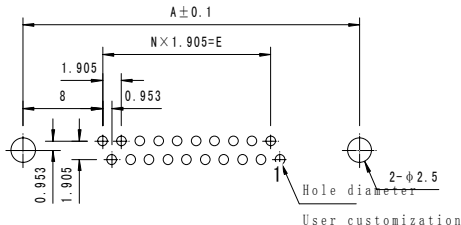
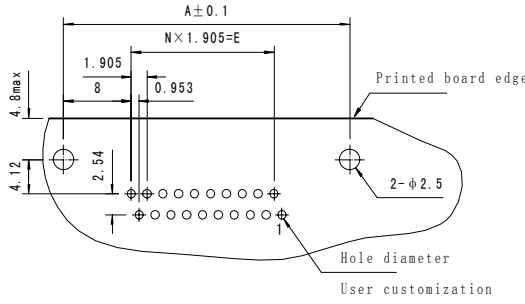
Contact type	Φd	L	Terminating format
44	0.5	2.77	Elbow dip soldering
45	0.5	3.56	
46	0.5	4.37	

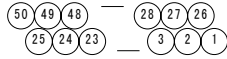
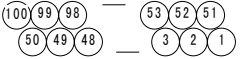
PCB cut-size

[MET 2 series plug recommend PCB cut-size]

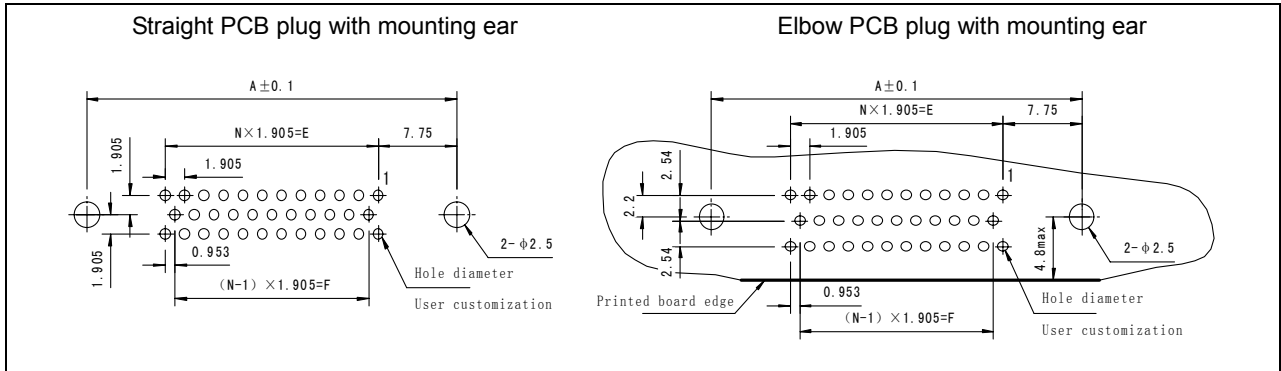
Straight PCB plug with mounting ear					Elbow PCB plug with mounting ear				
									
Cores	A	E	N	Contact arrangement serial No.	Cores	A	E	N	Contact arrangement serial No.
10	24.6	7.62	4		60	72.2	55.2	2	
20	34.1	17.15	9		70	81.7	64.7	3	
30	43.6	26.67	14		80	91.2	74.3	3	
40	53.1	36.20	19		90	100.8	83.8	4	
50	62.7	45.72	24		100	110.3	93.3	4	

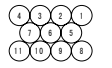

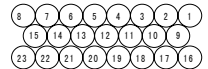

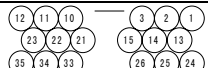

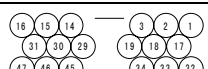
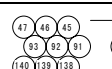
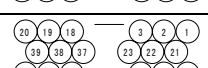
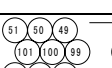


[MET 2 series receptacle recommend PCB cut-out dimension]

Straight PCB receptacle with mounting ear					Elbow PCB receptacle with mounting ear				
									
Cores	A	E	N	Contact arrangement serial No.	Cores	A	E	N	Contact arrangement serial No.
10	24.6	7.62	4		60	72.2	55.2	2	
20	34.1	17.15	9		70	81.7	64.7	3	
30	43.6	26.67	14		80	91.2	74.3	3	
40	53.1	36.20	19		90	100.8	83.8	4	

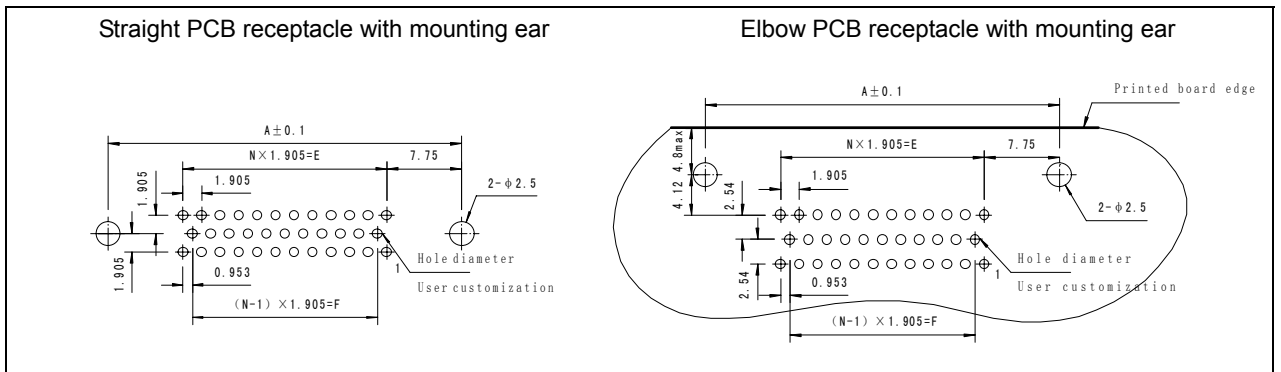
50	62. 7	45.7 2	2 4		100	110. 3	93.3 5	4 9	
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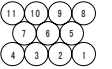



[MET 3 series plug recommend PCB cut-out dimension]



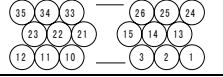
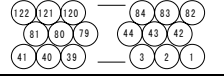
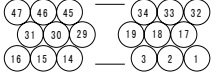
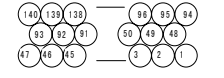
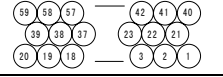
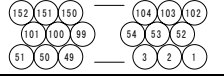
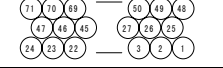
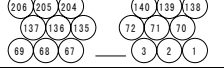
Cores	A	E	F	N	Contact arrangement serial No.	Cores	A	E	F	N	Contact arrangement serial No.
11	21. 2	5.72	3.81	3		80	65	49.53	47.63	2 6	
23	28. 8	13.3 4	11.4 3	7		104	80.3	64.77 5	62.86	3 5	
35	36. 4	20.9 6	19.0 5	11		122	91.7	76.2	74.3	4 0	
47	44	28.5 8	26.6 7	1 5		140	103. 1	87.63	85.72 5	4 7	
59	51. 7	36.2	34.2 9	1 9		152	110. 7	95.25	93.35	5 0	
71	59. 3	43.8 2	41.9 1	2 3		206	145	129.5 4	127.6 4	6 8	

[MET 3 series receptacle recommend PCB cut-out dimension]



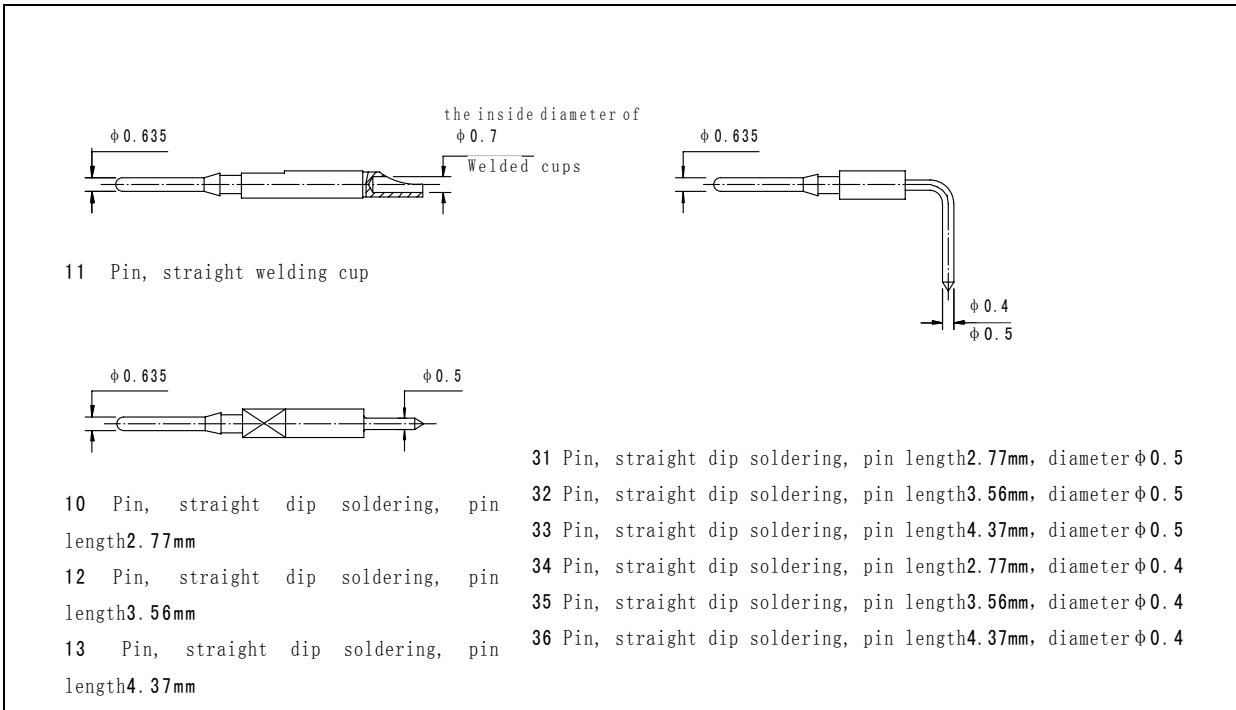
Cores	A	E	F	N	Contact arrangement serial No.	Cores	A	E	F	N	Contact arrangement serial No.
11	21. 2	5.72	3.81	3		80	65	49.53	47.63	2 6	
23	28. 8	13.3 4	11.4 3	7		104	80.3	64.77 5	62.86	3 5	



35	36. 4	20.9 6	19.0 5	1 1		122	91.7	76.2	74.3	4 0	
47	44	28.5 8	26.6 7	1 5		140	103. 1	87.63	85.72 5	4 7	
59	51. 7	36.2	34.2 9	1 9		152	110. 7	95.25	93.35	5 0	
71	59. 3	43.8 2	41.9 1	2 3		206	145	129.5 4	127.6 4	6 8	

MET series optional contact

[Pin]



11 Pin, straight welding cup

10 Pin, straight dip soldering, pin length 2.77mm

12 Pin, straight dip soldering, pin length 3.56mm

13 Pin, straight dip soldering, pin length 4.37mm

31 Pin, straight dip soldering, pin length 2.77mm, diameter $\phi 0.5$

32 Pin, straight dip soldering, pin length 3.56mm, diameter $\phi 0.5$

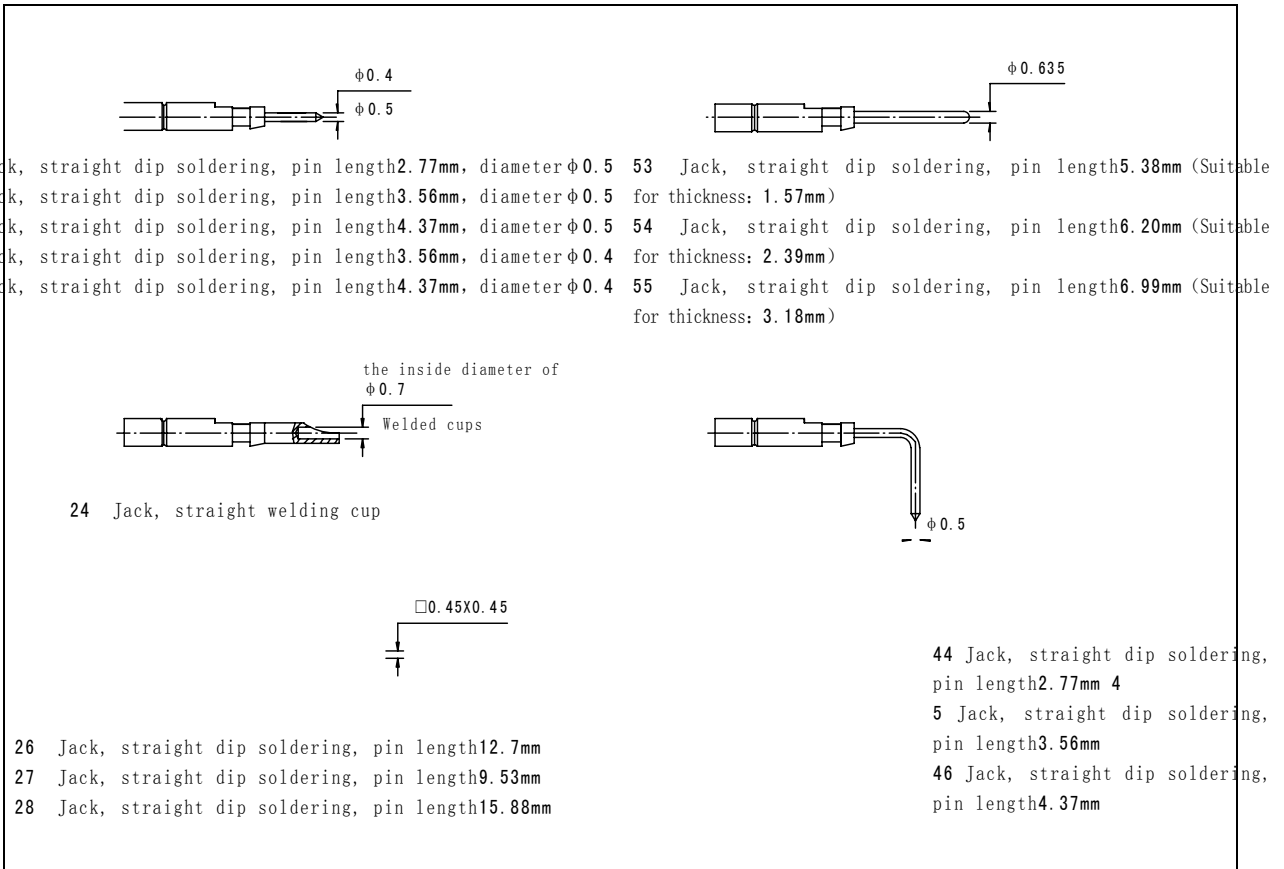
33 Pin, straight dip soldering, pin length 4.37mm, diameter $\phi 0.5$

34 Pin, straight dip soldering, pin length 2.77mm, diameter $\phi 0.4$

35 Pin, straight dip soldering, pin length 3.56mm, diameter $\phi 0.4$

36 Pin, straight dip soldering, pin length 4.37mm, diameter $\phi 0.4$

Socket



20 Jack, straight dip soldering, pin length 2.77mm, diameter $\phi 0.5$

21 Jack, straight dip soldering, pin length 3.56mm, diameter $\phi 0.5$

22 Jack, straight dip soldering, pin length 4.37mm, diameter $\phi 0.5$

50 Jack, straight dip soldering, pin length 3.56mm, diameter $\phi 0.4$

51 Jack, straight dip soldering, pin length 4.37mm, diameter $\phi 0.4$

53 Jack, straight dip soldering, pin length 5.38mm (Suitable for thickness: 1.57mm)

54 Jack, straight dip soldering, pin length 6.20mm (Suitable for thickness: 2.39mm)

55 Jack, straight dip soldering, pin length 6.99mm (Suitable for thickness: 3.18mm)

24 Jack, straight welding cup

44 Jack, straight dip soldering, pin length 2.77mm

45 Jack, straight dip soldering, pin length 3.56mm

46 Jack, straight dip soldering, pin length 4.37mm

MET series installation fastener type

Fixed thread guide pin, guide bushing



2900—Fixed thread guide pin, guide bushing

3000—Fixed thread guide pin, guide bushing, reverse installation

1900—two fixed thread guide pins

2900—two fixed thread guide bushings

● Lengthening fixed thread guide pin, guide bushing



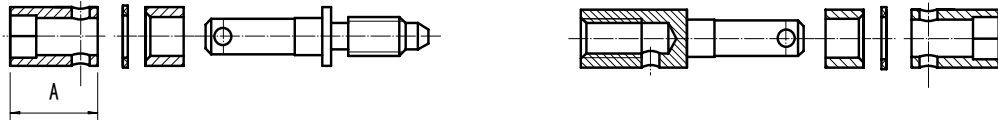
8800—Lengthening fixed thread guide pin, guide bushing

8900—Lengthening fixed thread guide pin, guide bushing, reverse installation

9000—two lengthening fixed thread guide pins

9100—two lengthening fixed thread guide bushings

● Rotating thread guide pin, guide bushing



5900—Lengthening fixed thread guide pin, guide bushing

6000—Lengthening fixed thread guide pin, guide bushing, reverse installation

6100—two lengthening fixed thread guide pins

6200—two lengthening fixed thread guide bushings

● Lengthening rotating thread guide pin, guide bushing

There are two forms of terminal structure to choose from: one with slot or inside the hexagon (shown as the hexagonal structure)



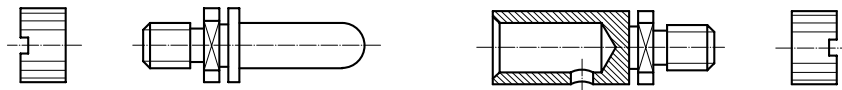
Slotted drives structure

- 5100—Lengthening rotating thread guide pin, guide bushing, A=17.8mm
- 5200—Lengthening rotating thread guide pin, guide bushing, A=17.8mm, reverse installation
- 5300—Two lengthening rotating thread guide pins, A=17.8 mm
- 5400—Two lengthening rotating thread guide bushings, A=17.8 mm
- 6400—Lengthening rotating thread guide pin, guide bushing, A=12.5 mm
- 6500—Lengthening rotating thread guide pin, guide bushing, A=12.5 mm, reverse installation
- 6600—Two lengthening rotating thread guide pins, A=12.5 mm
- 6700—Two lengthening rotating thread guide bushings, A=12.5 mm
- 6800—Lengthening rotating thread guide pin, guide bushing, A=13.8 mm
- 6900—Lengthening rotating thread guide pin, guide bushing, A=13.8 mm, reverse installation
- 7000—Two lengthening rotating thread guide pins, A=13.8 mm
- 7100—Two lengthening rotating thread guide bushings, A=13.8 mm

Allen structure

- 7200—Lengthening rotating thread guide pin, guide bushing, A=12.5mm
- 7300—Lengthening rotating thread guide pin, guide bushing, A=12.5mm, reverse installation
- 7400—Two lengthening rotating thread guide pins, A=12.5 mm
- 7400—Two lengthening rotating thread guide bushings, A=12.5mm
- 7600—Lengthening rotating thread guide pin, guide bushing, A=13.8mm
- 7700—Lengthening rotating thread guide pin, guide bushing, A=13.8mm, reverse installation
- 7800—Two lengthening rotating thread guide pins, A=13.8 mm
- 7900—Two lengthening rotating thread guide bushings, A=13.8mm
- 8000—Lengthening rotating thread guide pin, guide bushing, A=17.8mm
- 8100—Lengthening rotating thread guide pin, guide bushing, A=17.8mm, reverse installation
- 8200—Two lengthening rotating thread guide pins, A=17.8 mm
- 8300—Two lengthening rotating thread guide bushings, A=17.8mm

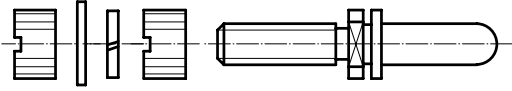
● Fixed guide pin, guide bushing



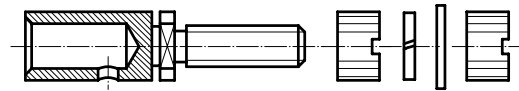
- 5500—Fixed guide pin, guide bushing
- 5600—Fixed guide pin, guide bushing, reverse installation

- 5700—Two fixed guide pin
- 5800—Two fixed guide receptacle

● Lengthening fixed guide pin, guide bushing


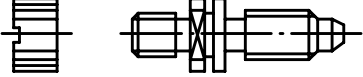

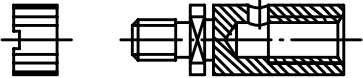





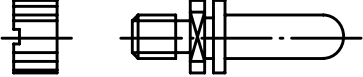

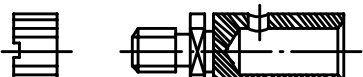





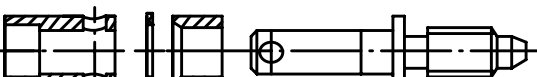

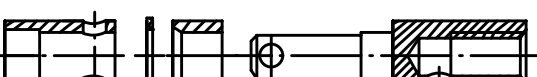

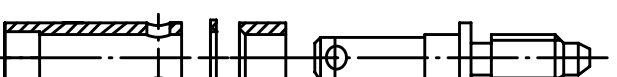




8400—Lengthening fixed guide pin, guide bushing
8500—Lengthening fixed guide pin, guide bushing,
reverse installation

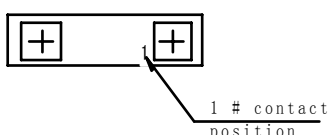


8600—Two lengthening fixed guide pin
8700—Two lengthening fixed guide bushing

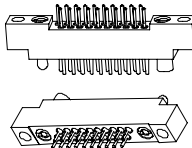
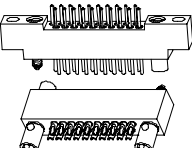
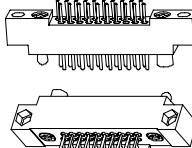
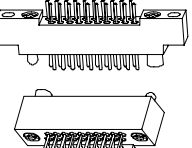
MET 2, MET 3 series installation fastener type

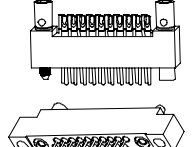
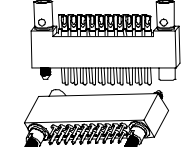
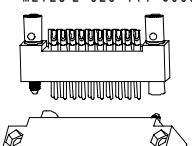
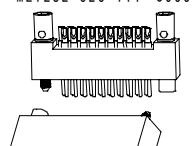
I c o n	name	Illustration
	Fixed thread guide pin	
	Fixed thread guide sleeve	
	Lengthened fixed thread guide pin	
	Lengthened fixed thread guide sleeve	
	Fixed guide pin	
	Fixed guide sleeve	
	Lengthened fixed guide pin	
	Lengthened fixed guide sleeve	
	Rotary thread guide pin	
	Rotating thread guide sleeve	
	Extend the rotating thread guide pin	
	Extend the rotating thread guide sleeve	

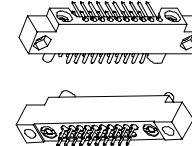
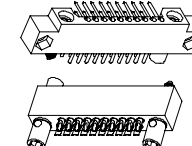
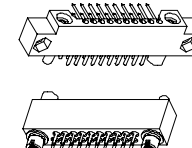
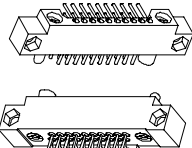
MET 2, MET 3 series installation fastener diagram

fastener Combinat ion code	Insert	head		fastener Combinat ion code	Insert	head	Insert	head
0256				5100				
1900				5200				
2000				5300				
2900				5400				
3000				6400				
8800				6500				
8900				6600				
9000				6700				
9100				6800				
5900				6900				
6000				7000				
6100				7100				
6200				7200				
5500				7300				
5600				7400				
5700				7500				
5800				7600				
8400				7700				
8500				7800				
8600				7900				
8700				8000				
Description				8100				
	8200							
	8300							

MET series common combining format (for example MET 2 series connector with 20 contacts)

<p>Straight-mounted mounting plate Plug-in / Straight-mounted ear-printed board socket</p>	<p>MET212-020-101-5500</p>  <p>MET2 22-020-201-55 00</p>	<p>MET 212-02 0-101- 2900</p>  <p>MET2 42-020 -241-5 900</p>	<p>Straight-band mounting ear-printed board plug / wire socket</p>
<p>Straight-mounted with the installation of the ear-printed board plug / curved with the installation of the ear board</p>	<p>MET 212-02 0-101- 5500</p>  <p>MET262-020-46 1-5500</p>	<p>MET21 2-020- 101-55 00</p>  <p>MET2 82-020 -461-5 500</p>	<p>Straight-mounted with an ear-printed board / Bend without mounting the ear board</p>

<p>Welded plugs Straight - mounted ear - printed board socket</p>	<p>MET232-020-111-5 900</p>  <p>MET22 2-020-201-2900</p>	<p>MET232-020-111 1-5900</p>  <p>MET242- 020-201-8800</p>	<p>Welded plugs / Straight without the installation of the ear board</p>
<p>Welded plugs / Bend with mounting ear panel</p>	<p>MET23 2-020-111-5900</p>  <p>MET262-020-461- 2900</p>	<p>MET232-020-111 -5900</p>  <p>MET282-0 20-461-2900</p>	<p>Welded plugs / Bend without mounting the ear board</p>

<p>Bend type with mounting ear Printed board Plug / Straight strap with mounting plate Printed board socket</p>	<p>MET 252-02 0-311- 5500</p>  <p>MET 222-02 0-201- 5500</p>	<p>MET252- 020-31 1-2900</p>  <p>MET242- 020-24 1-5900</p>	<p>Bend type with mounting plate Printed board plug / wire socket</p>
<p>Bend with mounting plate for printed circuit board / Straight without the installation of the ear board</p>	<p>MET252-0 20-311- 5500</p>  <p>MET24 2-020- 241-840 0</p>	<p>MET25 2-020-3 11-550 0</p>  <p>MET26 2-020- 461-550 0</p>	<p>Bend with mounting plate Printed board Plug / bent with mounting ear panel</p>



	MET272-020-311-5500	MET272-020-311-2900	
Curved without mounting ear Printed board Plug / Straight with mounting ear Printed board socket			Curved without mounting ear Printed board plug / wire socket
	MET222-020-201-5500	MET242-020-241-5900	
Curved without mounting ear Printed board Plug / Straight Without mounting ear Printed board socket			Curved without mounting ear Printed board Plug / bent without mounting ear Printed board socket
	MET242-020-241-8400	MET282-020-461-5500	

	MET232-020-101-8400	MET232-020-101-8400	
Straight Without Mounting Ear Printed Board Plug / Straight With Mounting Ear Printed Board Sockets			Straight Without Mounting Ear Printed Board Plug / Straight Without Mounting Ear Printed Board Sockets
	MET222-020-201-5500	MET242-020-241-8400	
Straight Without Mounting Ear Printed Board Plug / Bent Type With Mounted Printed Board Sockets			Straight Without Mounting Ear Printed Board Plug / Bent Without Mounting Ear Printed Board Sockets
	MET262-020-461-5500	MET282-020-461-5500	

	MET232-020-101-8800	
Straight Without Mounting Ear Printed Board Plug / Wire Socket		
	MET242-020-241-5900	