

MET4, 6 series rectangular electrical connector

Product Introduction

- Comply with MIL-C-55302/23, MIL-C-55302/24, MIL-C-55302/25 standard, equivalent to GJB1438A standard
- Withstanding wave-soldering
- 1.905mm insert gap
- 86, 110, 204, 250, 276 cores in 4 rows
- 204, 252, 300, 360, 402, 448 cores in 6 rows

Main technical performance

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

Ordering information

Basic series	MET	6	7	2-	360-	31	1-	9500
Row number of contact	4 rows		6 rows					
Structure type	See table 1							
Insulator material	2-PPS (polyphenylene sulfide)							
Contact No.	Use three digit to represent, see the chart 2							
Termination	See table 3							
Contact plating	Plug: 1- gold plating; 2- tinplating Receptacle: 1- gold plating; 2-							
Type of installing fastener	tinplating See MET series installation and recognizable fastener							

Table 1
type

Plug		Mark no.	Receptacle		Mark no.	
MET4	Straight PCB	1	MET4	Straight PCB	2	
	Elbow PCB	5		Elbow PCB	6	
MET6	Straight PCB	cores > 402	MET6	Straight PCB	core > 402	2
		cores ≤ 402			cores ≤ 402	4
	Elbow PCB	cores > 402		Elbow PCB	core > 402	6
		cores ≤ 402			cores ≤ 402	8

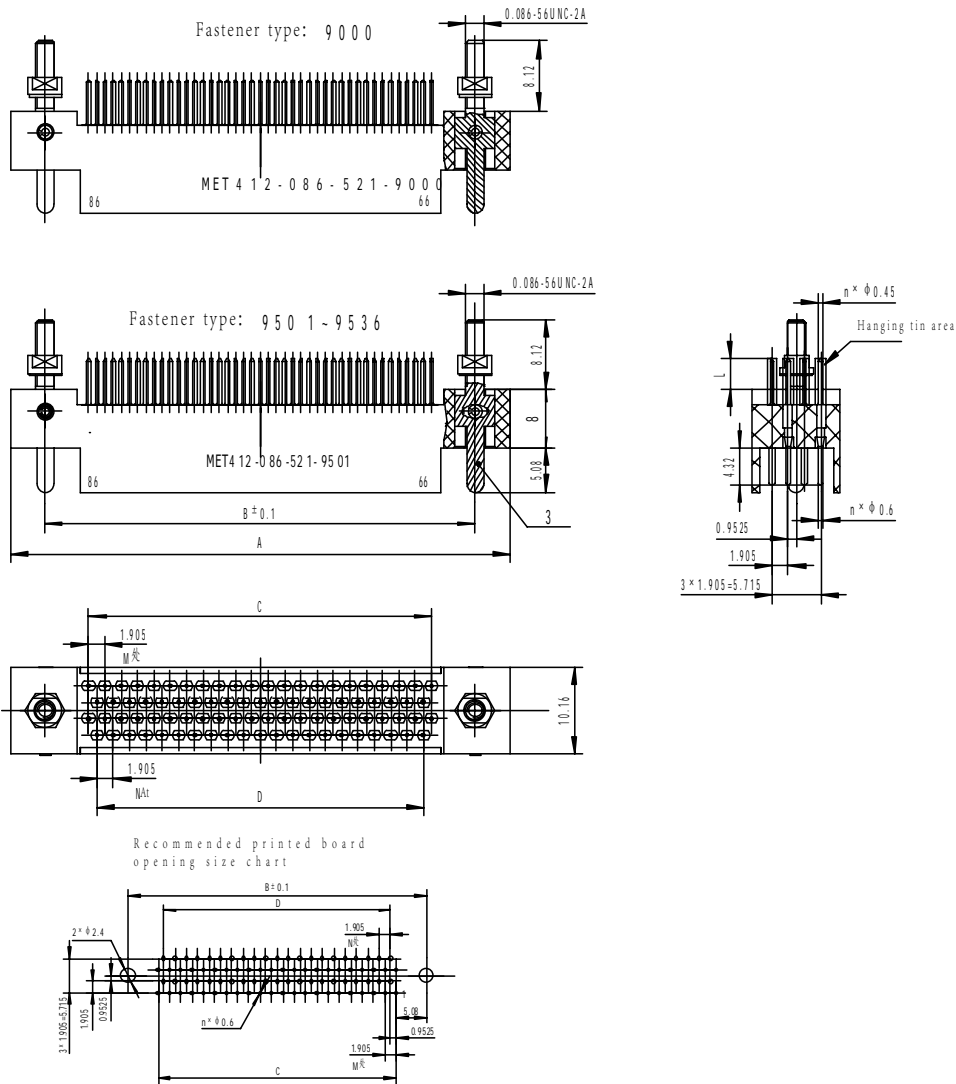
Table 2

4 rows	086, 110, 204, 250, 276
6 rows	204, 252, 300, 360, 402, 448

Table 3

Used for plug	Mark No.	Used for receptacle	Mark No.
Pin, straight dip soldering, 2.77× Φ0.45	51	Socket, straight dip soldering, 2.77× Φ0.45	81
Pin, straight dip soldering, 3.56× Φ0.45	52	Socket, straight dip soldering, 3.56× Φ0.45	82
Pin, straight dip soldering, 4.37× Φ0.45	53	Socket, straight dip soldering, 4.37× Φ0.45	83
Pin, straight dip soldering, 6.35× Φ0.45	54	Socket, straight dip soldering, 6.35× Φ0.45	75
Pin, elbow dip soldering, 2.77× Φ0.5	31	Socket, elbow dip soldering, 2.77× Φ0.5	84
Pin, elbow dip soldering, 3.56× Φ0.5	32	Socket, elbow dip soldering, 3.56× Φ0.5	85
Pin, elbow dip soldering, 4.37× Φ0.5	33	Socket, elbow dip soldering, 4.37× Φ0.5	86
Pin, elbow dip soldering, 6.35× Φ0.5	34		

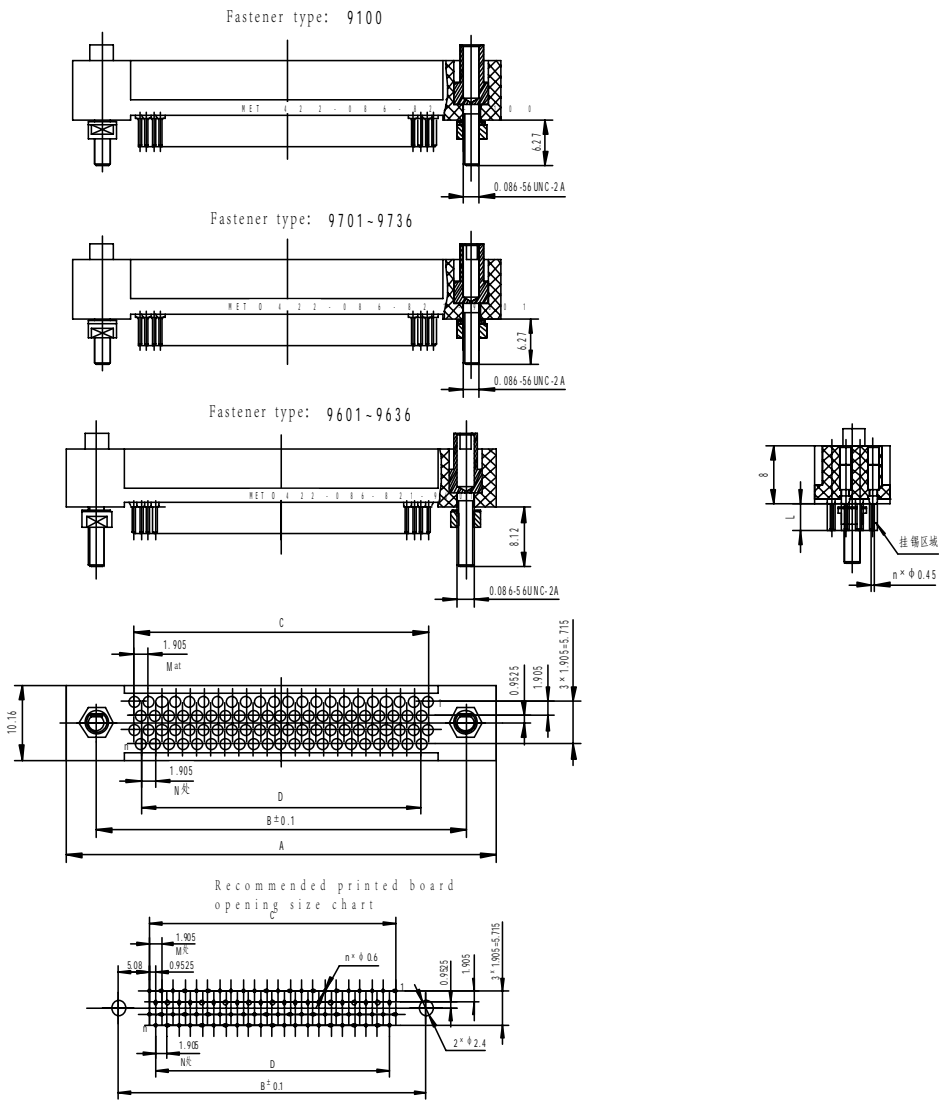
**MET4 series
Straight plug**



Type of plug	Size						
	A	B	C	D	M	N	n
MET412-086-XX1-XXXX	58.29	50.16	40.005	38.1	21	20	86
MET412-110-XX1-XXXX	69.72	61.6	51.435	49.53	27	26	110
MET412-250-XX1-XXXX	136.4	128.27	118.11	116.205	62	61	250

Type of contact	Size	Note
	L	
51	2.77	PCB dip soldering
52	3.56	
53	4.37	
54	6.35	

MET4 series
Straight receptacle

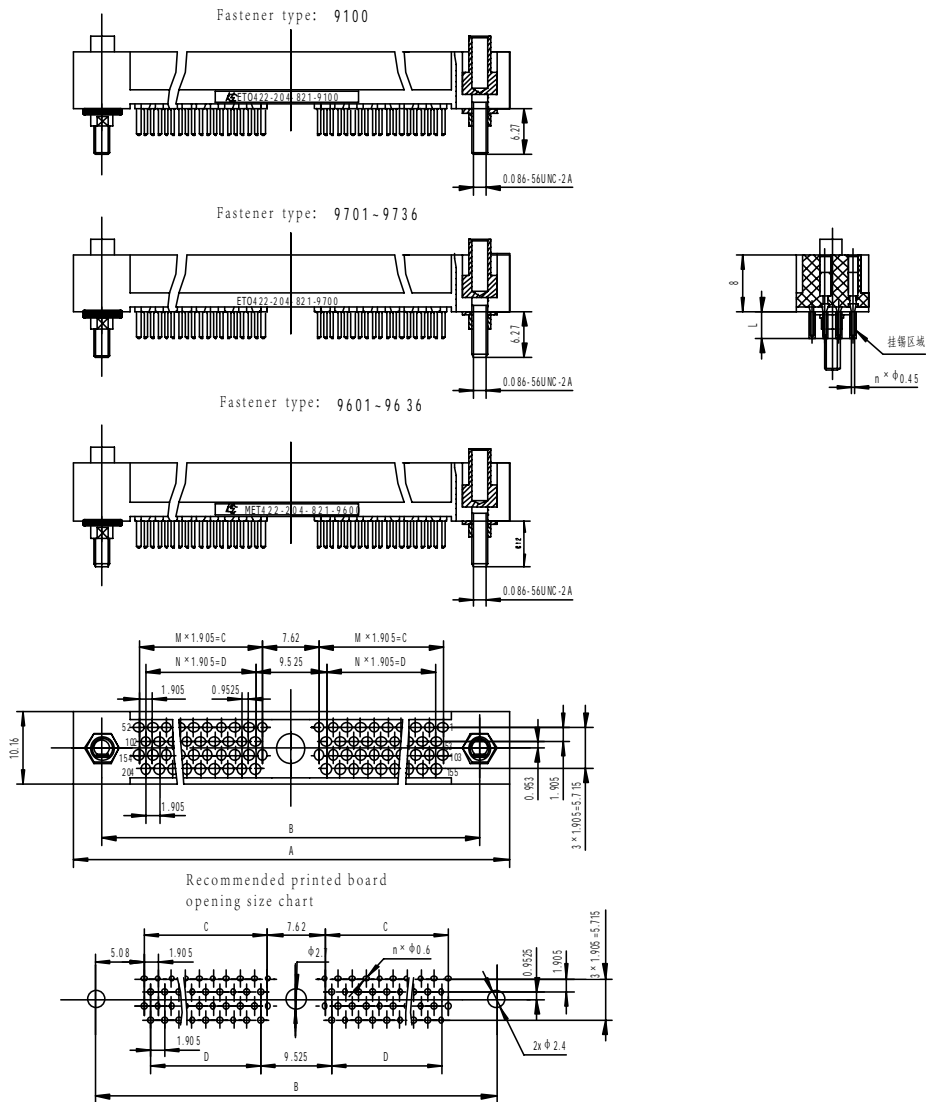


Type of receptacle	Size						
	A	B	C	D	M	N	n
MET422-086-XX1-XXXX	58.29	50.16	40.005	38.1	21	20	86
MET422-110-XX1-XXXX	69.72	61.6	51.435	49.53	27	26	110
MET422-250-XX1-XXXX	136.4	128.27	118.11	116.205	62	61	250

Contact type	Size	Note
	L	
75	6.35	PCB dip soldering
81	2.77	
82	3.56	
83	4.37	



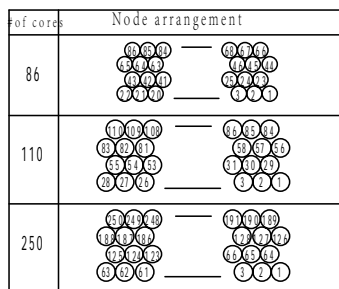
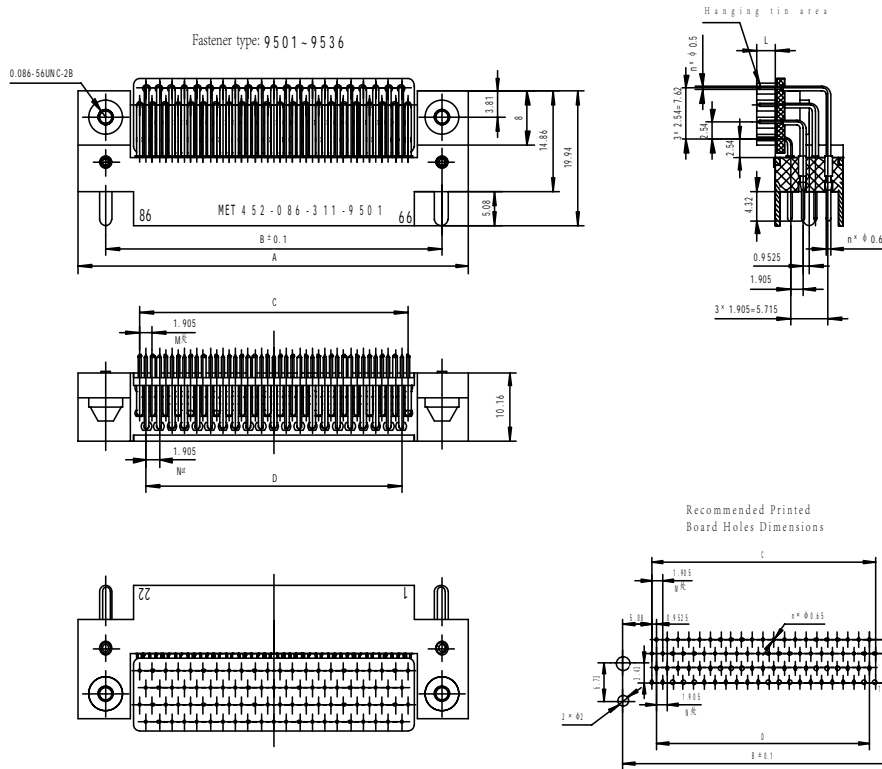
MET4 series Straight receptacle



Receptacle type	Size						
	A	B	C	D	M	N	n
MET422-204-XX1-XXXX	121.16	113.03	47.625	45.72	25	24	204
MET422-276-XX1-XXXX	155.4	147.32	64.77	62.865	33	34	276

Contact type	Size	Note
	L	
75	6.35	
81	2.77	
82	3.56	
83	4.37	

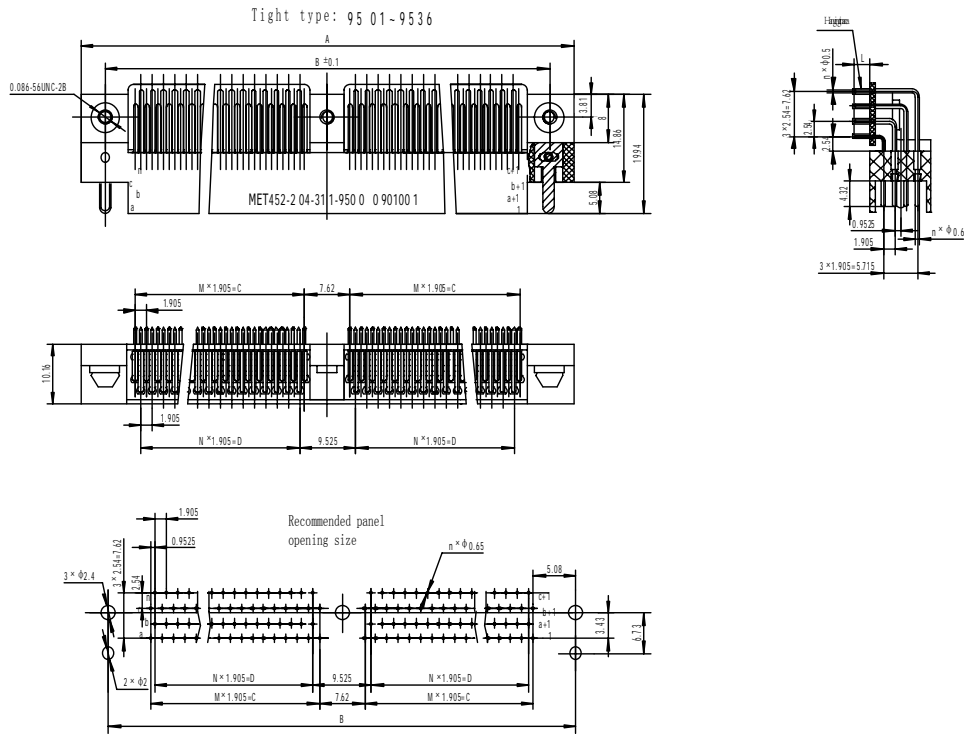
**MET4 series
Elbow plug**

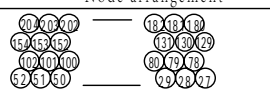



Plug type	Size						
	A	B	C	D	M	N	n
MET452-086-XX1-XXXX	58.29	50.16	40.005	38.1	21	20	86
MET452-110-XX1-XXXX	69.72	61.6	51.435	49.53	27	26	110
MET452-250-XX1-XXXX	136.4	128.27	118.11	116.205	62	61	250

Contact type	Size	Note
	L	
31	2.77	PCB dip soldering
32	3.56	
33	4.37	

MET4 series Elbow plug

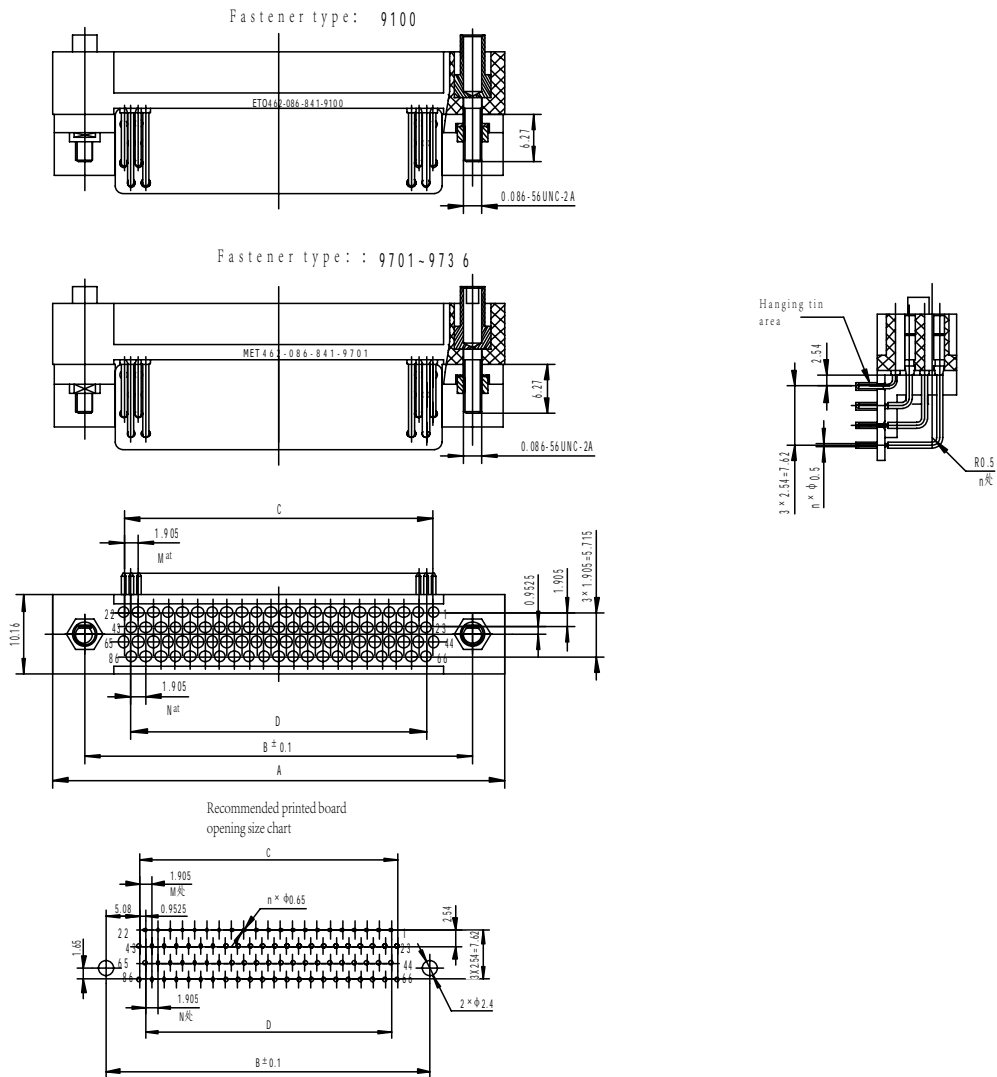


No	Node arrangement
204	
276	

Plug type	Size									
	A	B	C	D	M	N	a	b	c	n
MET452-204-XX1-XXXX	121.16	113.03	47.625	45.72	25	24	52	102	154	204
MET452-276-XX1-XXXX	155.4	147.3	64.77	62.865	34	33	70	138	208	276

Contact type	Size	Note
	L	
31	2.77	PCB dip soldering
32	3.56	
33	4.37	
34	6.35	

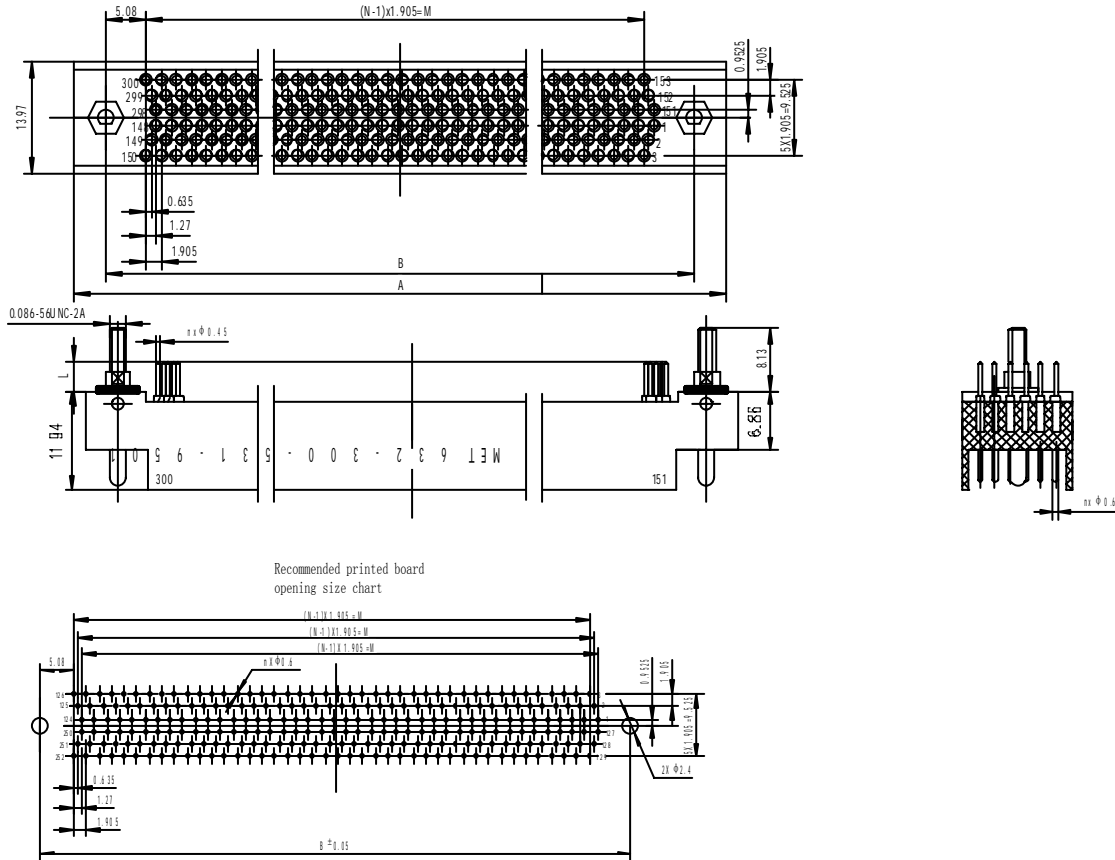
MET4 series
Elbow receptacle



Receptacle type	Size						
	A	B	C	D	M	N	n
MET462-086-XX1-XXXX	58.29	50.16	40.005	38.1	21	20	86
MET462-110-XX1-XXXX	69.72	61.6	51.435	49.53	27	26	110
MET462-250-XX1-XXXX	136.4	128.27	118.11	116.205	62	61	250

Contact type	Size	Note
	L	
84	2.77	PCB dip soldering
85	3.56	
86	4.37	

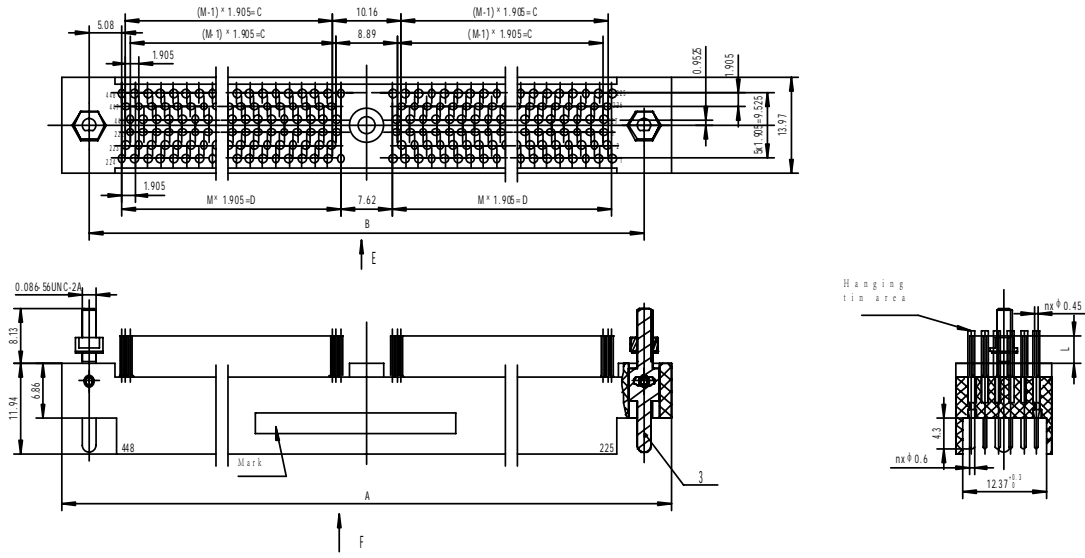
**MET6 series
Straight plug**



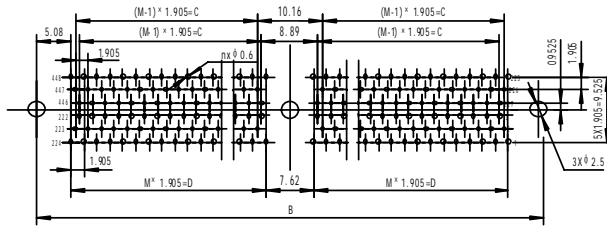
Receptacle type	Size				
	A	B	M	N	n
MET632-204-XX1-XXXX	82.4	74.295	62.865	34	204
MET632-252-XX1-XXXX	97.7	89.535	78.105	42	252
MET632-300-XX1-XXXX	112.9	104.775	93.345	50	300
MET632-360-XX1-XXXX	132	123.825	112.395	60	360
MET632-402-XX1-XXXX	145.3	137.16	125.83	67	402

Contact type	Size	Note
	L	
51	2.77	
52	3.56	
53	4.37	
54	6.35	

**MET6 series
Straight plug**



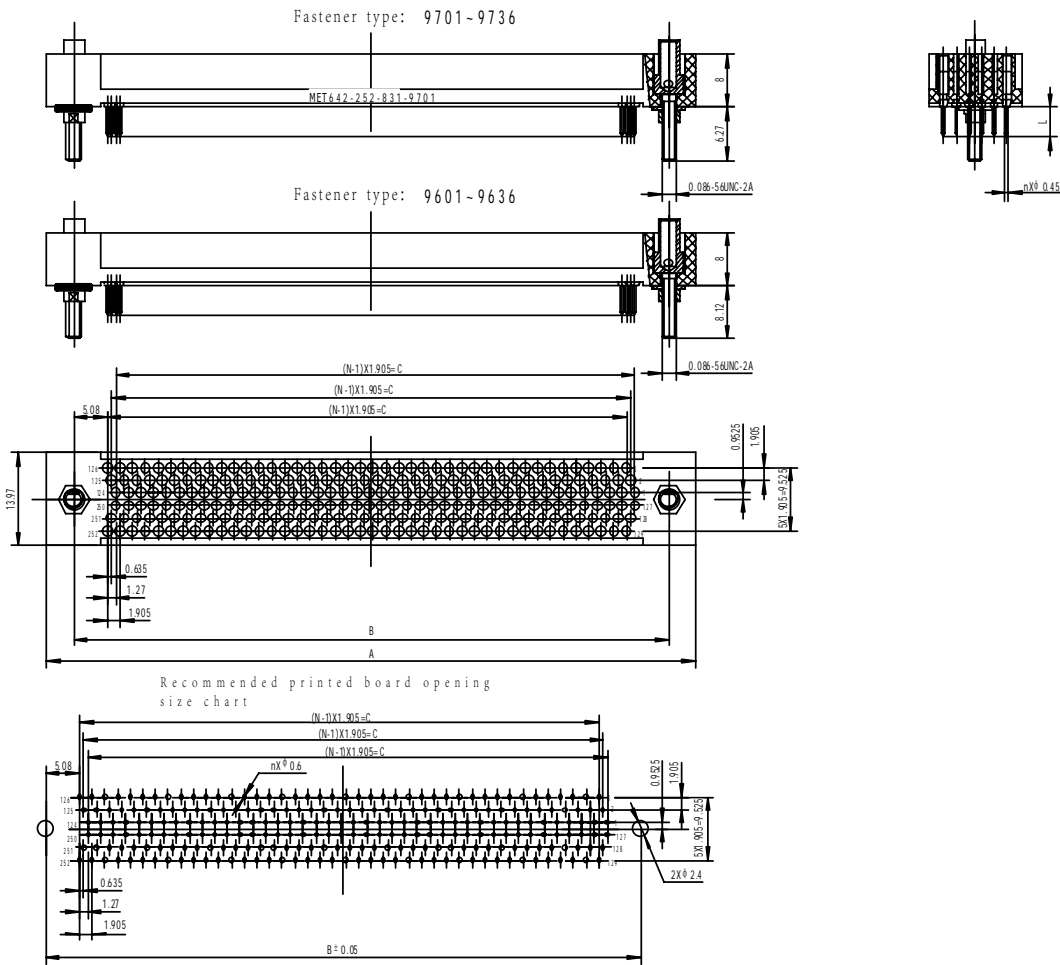
Recommended printed board opening size chart (F direction)



Receptacle type	Size					
	A	B	C	D	M	n
MET612-448-XX1-XXXX	166.9	158.75	68.58	70.485	37	448

Contact type	Size	Note
	L	
84	2.77	PCB dip soldering
85	3.56	
86	4.37	

MET6 series
Straight receptacle

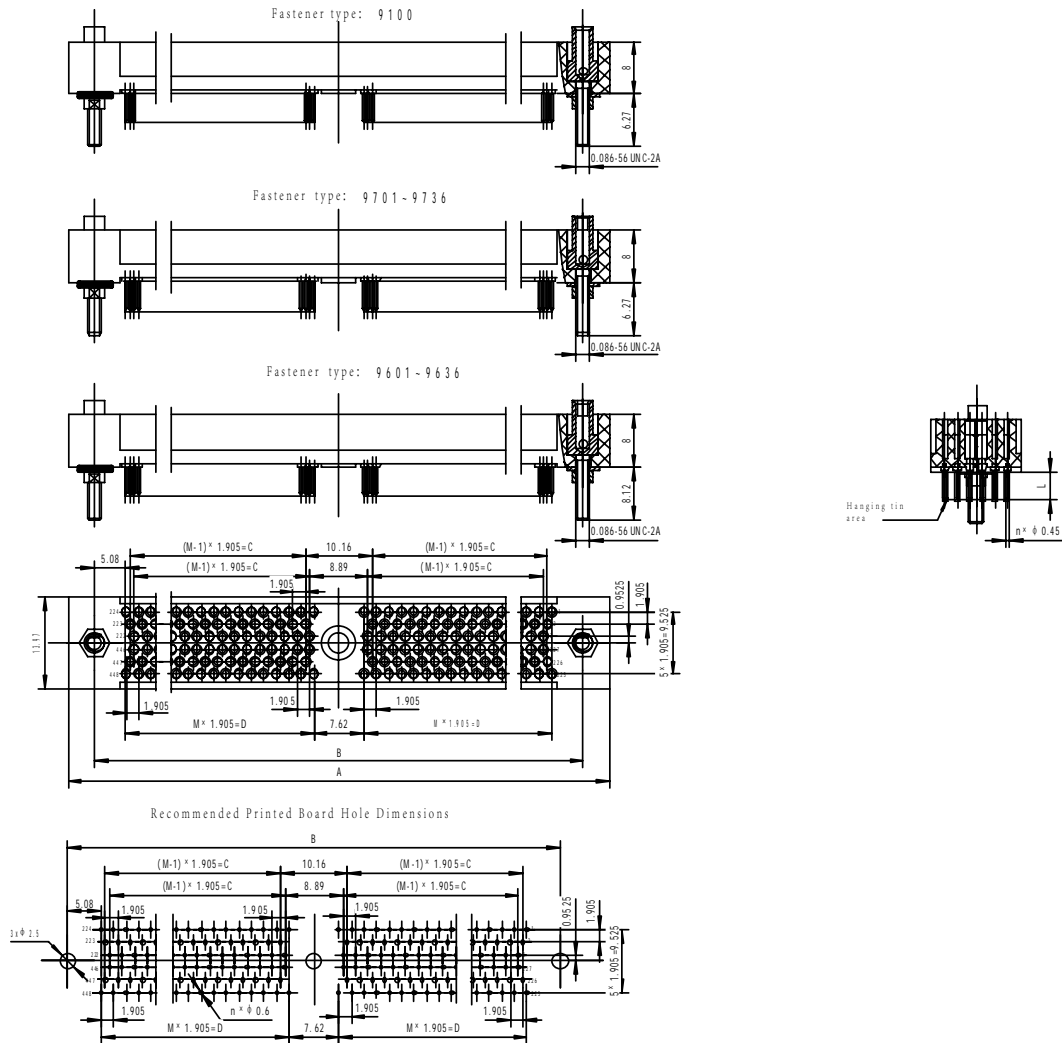


Receptacle type	Size				
	A	B	M	N	n
MET642-204-XX1-XXXX	82.4	74.295	62.865	34	204
MET642-252-XX1-XXXX	97.7	89.535	78.105	42	252
MET642-300-XX1-XXXX	112.9	104.775	93.345	50	300
MET642-360-XX1-XXXX	132	123.825	112.395	60	360
MET642-402-XX1-XXXX	145.3	137.16	125.73	67	402

Contact type	Size	Note
	L	
81	2.77	PCB dip soldering
82	3.56	
83	4.37	
84	6.35	



MET6 series Straight receptacle

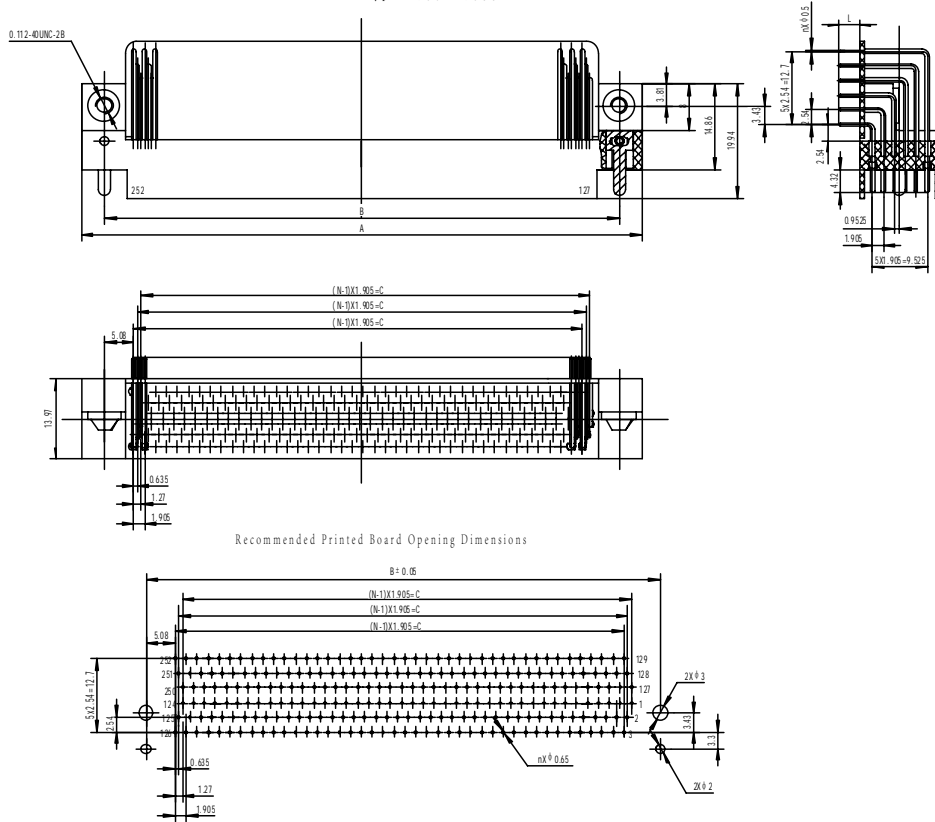


Receptacle type	Size					
	A	B	C	D	M	n
MET622-448-XX1-XXXX	166.9	158.75	68.58	70.485	37	448

Contact type	Size	Note
	L	
81	2.77	PCB dip soldering
82	3.56	
83	4.37	

**MET6 series
Elbow plug**

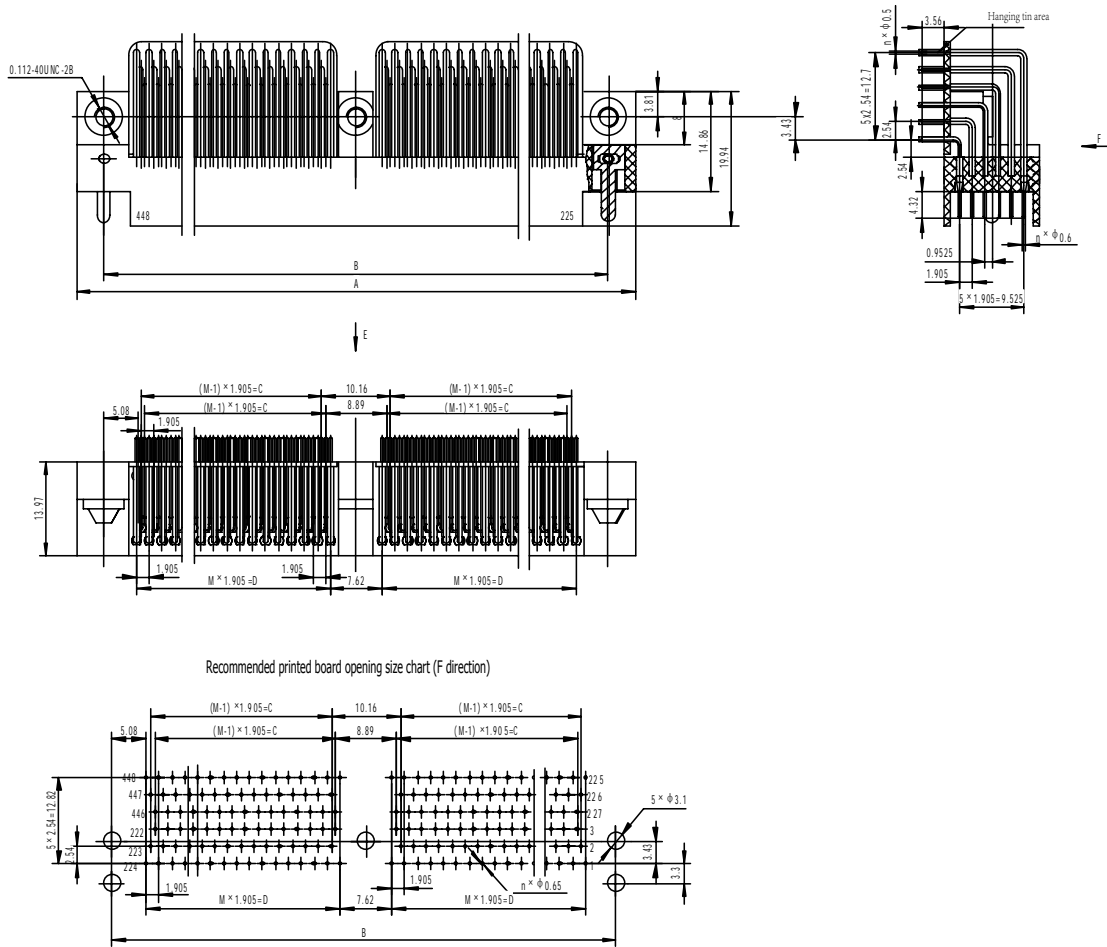
Fastener type: 9501-9536



Receptacle type	Size				
	A	B	M	N	n
MET672-204-XX1-XXXX	82.4	74.295	62.865	34	204
MET672-252-XX1-XXXX	97.7	89.535	78.105	42	252
MET672-300-XX1-XXXX	112.9	104.775	93.345	50	300
MET672-360-XX1-XXXX	132	123.825	112.395	60	360
MET672-402-XX1-XXXX	145.3	137.16	125.73	67	402

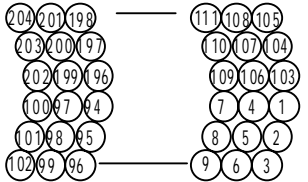
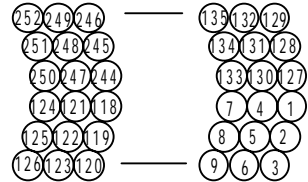
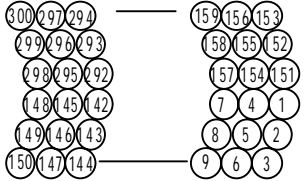
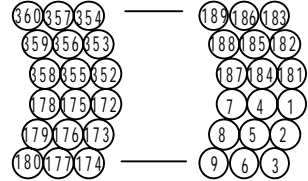
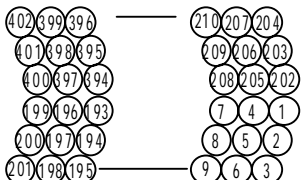
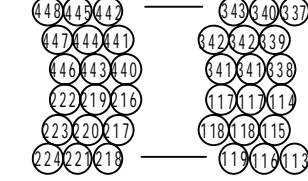
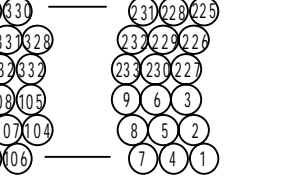
Contact type	Size	Note
	L	
31	2.77	PCB dip soldering
32	3.56	
33	4.37	
34	6.35	

**MET6 series
Elbow plug**



Plug type	Size					
	A	B	C	D	M	n
MET652-448-XX1-XXXX	166.9	158.75	68.58	70.485	37	448

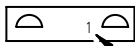

Contact type	Size	Note PCB dip soldering
	L	
31	2.77	
32	3.56	
33	4.37	
34	6.35	

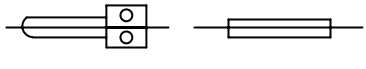
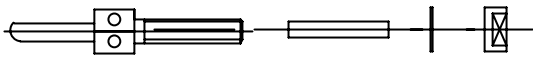
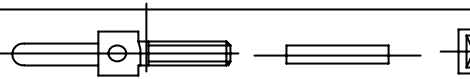
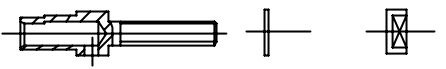
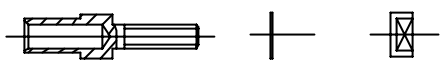
№ of cores	Node arrangement	№ of cores	Node arrangement
204		252	
300		360	
402			
448			

Contact layout

MET4, MET6 series installation recognizable fasteners type (view direction for mating surface view direction)

Fastener code	plug	socket	Fastener code	plug	socket
01			19		
02			20		
03			21		
04			22		
05			23		
06			24		
07			25		
08			26		
09			27		
10			28		
11			29		
12			30		
13			31		
14			32		
15			33		
16			34		
17			35		
18			36		

Description	  1# Contact position
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	Identifiable guide		9500 9501 ~ 9536
			9500 9501 ~ 9536
	Guide pin		9000
	Recognizable guide sleeve		9600 9601 ~ 9636 9700 9701 ~ 9736
	Bushing		9100