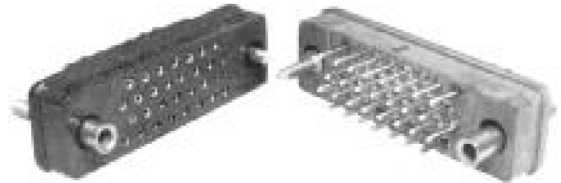


MDXT7, MDXTB7 Series Rectangular Electrical Connectors Specifications

Product introduction

MDXT7 and MDXTB7 electrical connectors with hyperbolic sockets are suitable for electrical connections in AC and pulse circuits in electronic and radio devices. They can be fully interchangeable and docked with Russian ГРПМ2 and ГРПМШ2 series electrical connectors.



Technical characteristics

- Ambient temperature: $-60^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- Acceleration: Vibration frequency 1Hz-2500Hz, 150m/s^2
- Impact: multiple impacts, 400m/s^2 ; one impact 1500m/s^2
- Working voltage: 250V
- Contact body current: 3A
- Contact resistance: $\leq 0.005\Omega$
- Insulation resistance: $\geq 1000\text{M}\Omega$ (normal temperature)
 $\geq 50\text{ M}\Omega$ (at 115°C)
 $\geq 20\text{ M}\Omega$ (relative humidity below 98% at 40°C)

(Technical conditions: БРО.364.086ТУ, ИЦО.364.034ТУ)

Tag description MDXT7 Series

Serial number	Code meaning	Russian code	APMA code
1	Serial number	ГРПМ2	MDXT7
2	Number of contacts	30, 46, 62, 90, 122	30, 46, 62, 90, 122
3	Contact type pin, hole	Ш, Г	J,K
4	Structural form: standard floating	O Π	O H
5	Contact body silver plated	2	2
6	All weather	B	B

Note:

The above models are the ones that can be produced, and the other models not specified cannot be produced

- MDXT7 socket O type: MDXT7-46KO2-B, MDXT7-62KO2-B
- MDXT7 plug O type: MDXT7-46JO2-B, MDXT7-62JO2-B
- MDXT7 socket H type: MDXT7-30KH2-B, MDXT7-46KH2-B, MDXT7-62KH2-B, MDXT7-90KH2-B, MDXT7-122KH2-B
- MDXT7 plug H type: MDXT7-30JH2-B, MDXT7-46JH2-B, MDXT7-62JH2-B, MDXT7-90JH2-B, MDXT7-122JH2-B

Tag description MDXTB7 Series

Serial number	Code meaning	Russian code	APMA code
1	Serial number	ГРПМIII2	MDXTB7
2	Number of contacts	30, 46, 62	30, 46, 62
3	Contact type - hole	Г	K
4	Structural form: standard floating	O Π	O H
5	Contact body silver plated	2	2
6	All weather	B	B

Note:

The above models are the ones that can be produced, and the other models not specified cannot be produced

- MDXTB7 socket O type: MDXTB7-46KO2-B
- MDXTB7 socket H type: MDXTB7-30KH2-B, MDXTB7-46KH2-B, MDXTB7-62KH2-B

Example

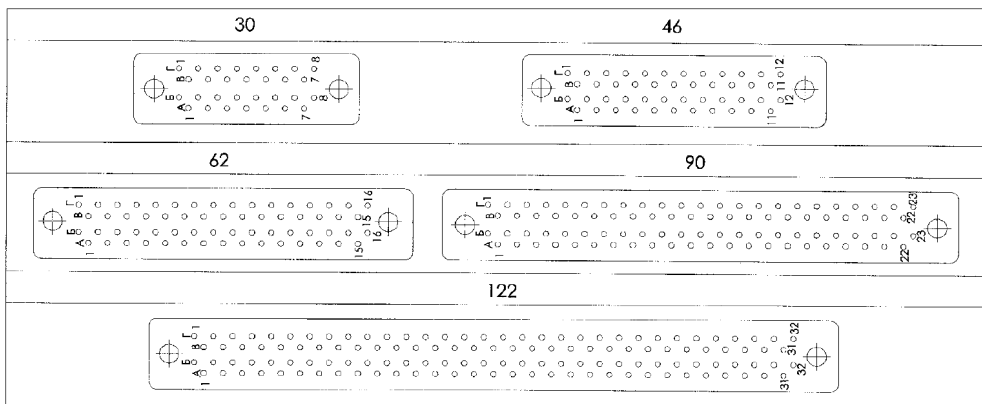
Russian

APMA

Serial number	ГРПМ2	46	III	O	2	B
	ГРПМ2	46	Г	Π	2	B
Number of contacts						
III-Needle Г-hole						
O - standard Π - floating						
2-silver						
All weather						

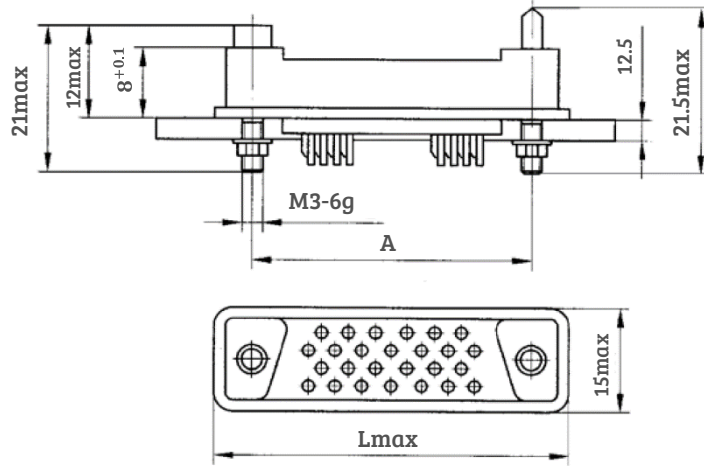
Serial number	MDXT7-	46	J	O	2	B
	MDXT7-	46	K	H	2	B
Number of contacts						
J-Needle K-hole						
O - standard H - floating						
2-silver						
All weather						

Insulator hole arrangement

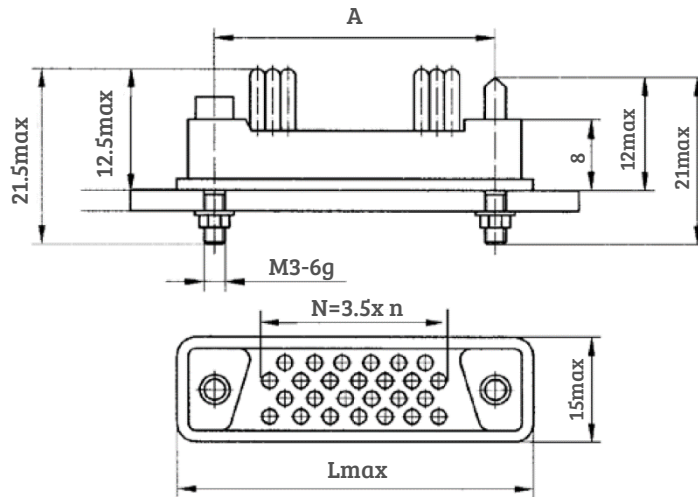


Connector appearance and installation dimensions (mm)

- **MDXT7 – O type**
Socket

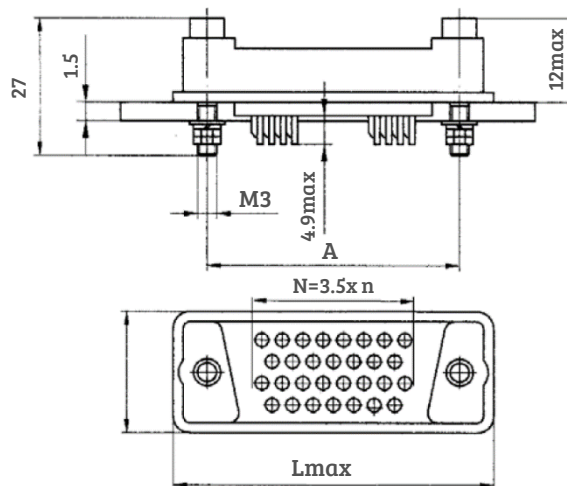


Plug

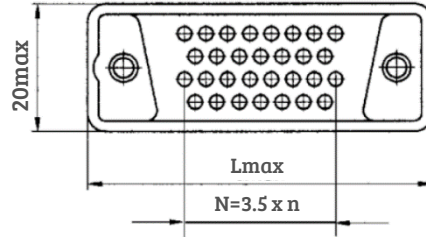
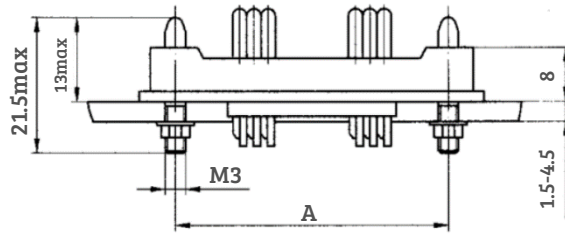


Model		A	L	N	n
MDXT7-46K02	MDXT7-46J02	54	64	38,5	11
MDXT7-62K02	MDXT7-62J02	68	78	52,5	15

- **MDXT7 – H type**
Socket



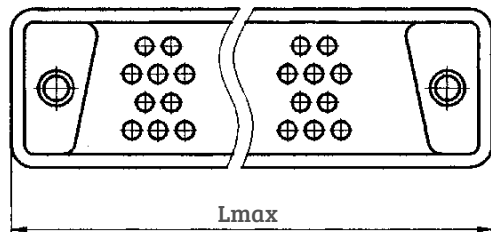
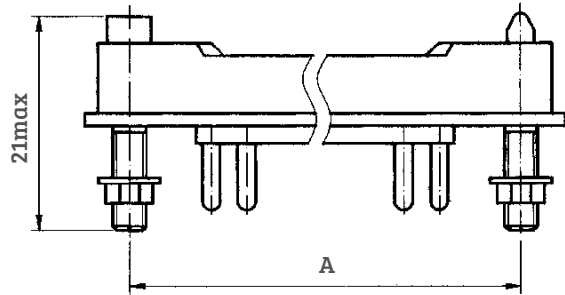
Plug



Model		A	L	N	n
MDXT7-30KH2	MDXT7-30JH2	40	55	24,5	7
MDXT7-46KH2	MDXT7-46JH2	54	69	38,5	11
MDXT7-62KH2	MDXT7-62JH2	68	83	52,5	15
MDXT7-90KH2	MDXT7-90JH2	92	107	77,0	22
MDXT7-122KH2	MDXT7-122JH2	120	135	105,0	30

- **MDXTB7 – O type**

Socket

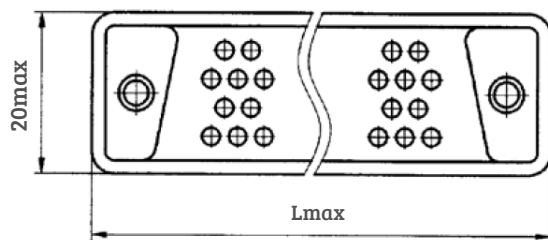
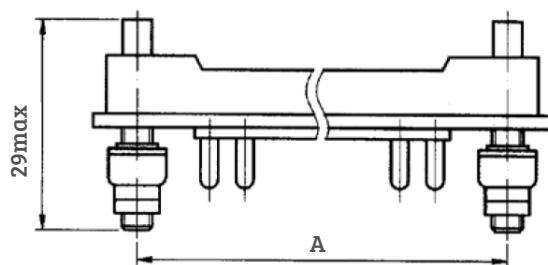


Model	Number of contacts	A	Lmax
MDXTB7-2-46KO2	45	54	64



- **MDXTB7 – H type**

Socket



Model	Number of contacts	A	Lmax
MDXTB7-2-30KO2	30	40	55
MDXTB7-2-46KO2	46	54	69
MDXTB7-2-62KO2	62	68	83