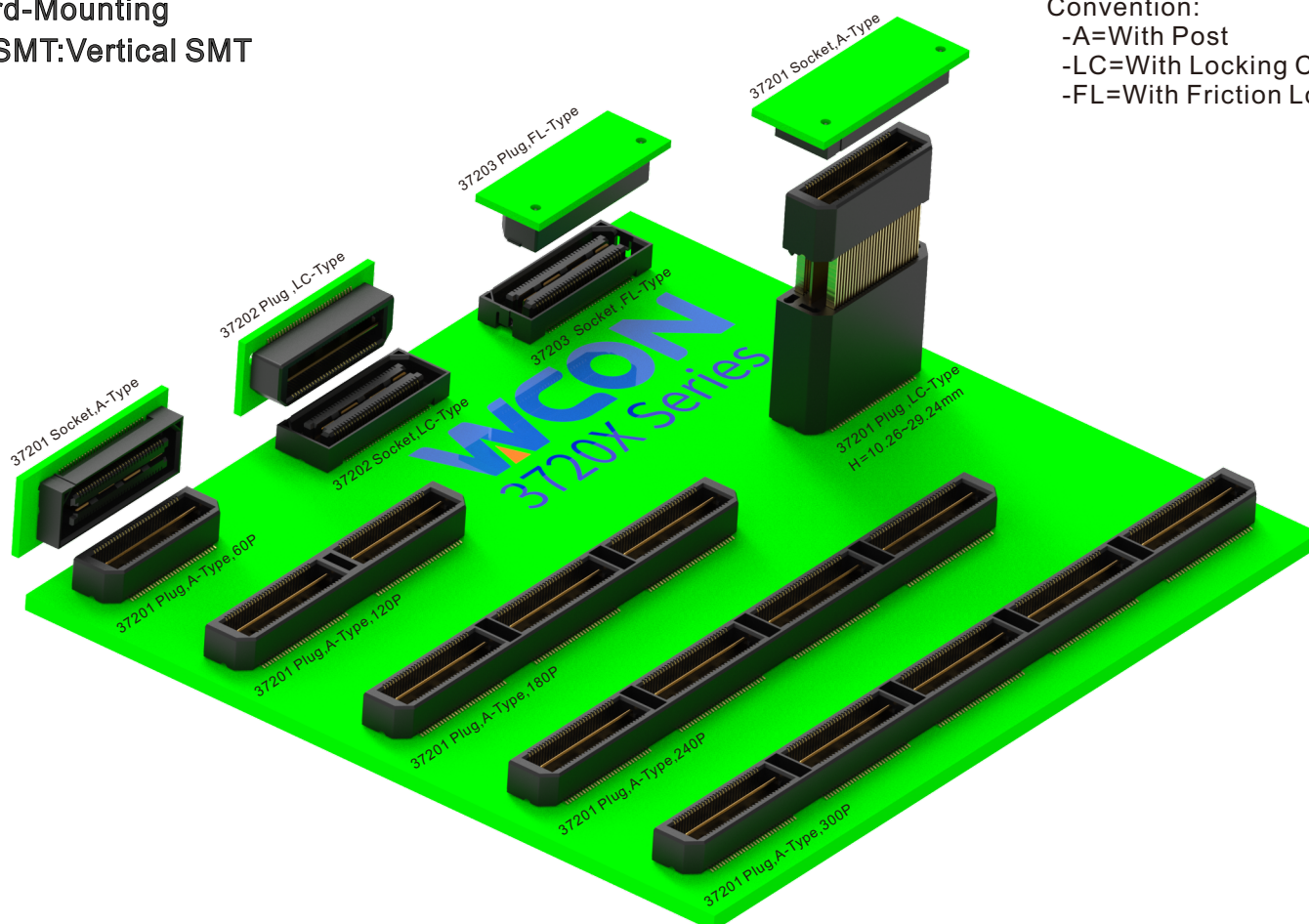


Board-Mounting
S/T SMT:Vertical SMT

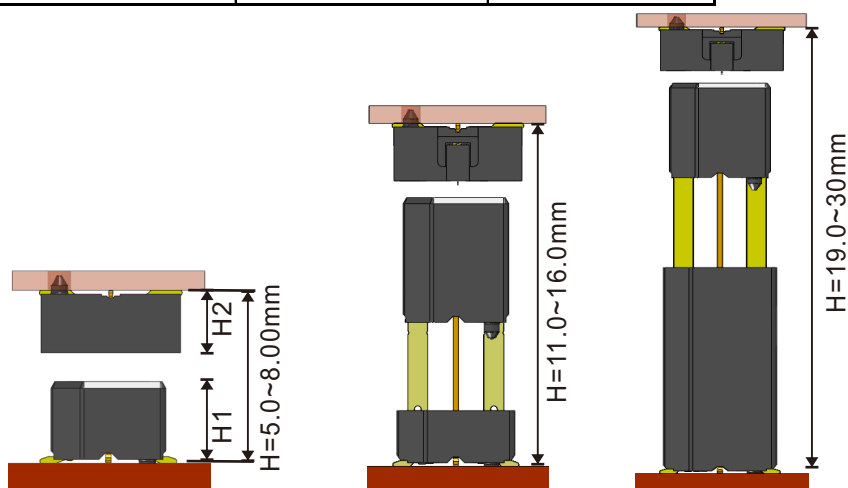
Convention:
-A=With Post
-LC=With Locking Clips
-FL=With Friction Locks



HIGH-SPEED CHANNEL PERFORMANCE (37201,37202,37203 Series)

Stack height(H)	Insertion loss (-3dB)	Insertion loss (-10dB)	Inear-End Crosstalk	Far-End Crosstalk
5mm	11.43GHz	2.50GHz	20GHz	20GHz
8mm	15.28GHz	1.83GHz	20GHz	20GHz
11mm	6.69GHz	0.89GHz	20GHz	20GHz
14mm	10.66GHz	0.91GHz	20GHz	20GHz
15mm	10.03GHz	0.91GHz	20GHz	20GHz
16mm	9.83GHz	0.88GHz	20GHz	20GHz
19mm	9.38GHz	0.81GHz	20GHz	20GHz
22mm	9.26GHz	0.82GHz	20GHz	20GHz
25mm	7.8GHz	0.73GHz	20GHz	20GHz
30mm	5.76GHz	0.58GHz	20GHz	20GHz

Stack height	Plug	Socket
H	H1	H2
5.00	4.26	3.25
8.00	7.26	
11.00	10.26	
14.00	13.26	3.25
15.00	14.26	
16.00	15.24	
19.00	18.24	3.25
22.00	21.24	
25.00	24.24	
30.00	29.24	

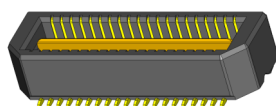




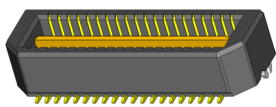
37201,37202,37203 Series Board to Board, High Speed,0.50mm (0.020"),Plug

SPECIFICATIONS

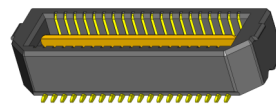
Current Rating: 2A per Pin
25A per ground plane
Voltage Rating:175V DC
Contact Resistance:30mΩ Max
Insulation Resistance: 5000MΩ Min
Withstand Voltage:675V AC
Operation Temperature: -55°C to +125°C
Contact Material:Copper Alloy
Contact plating: Au over Ni
Standard:LCP +GF (94V-0)
Max Cycles: 100
Type:S



37201-PM030-042XXX01

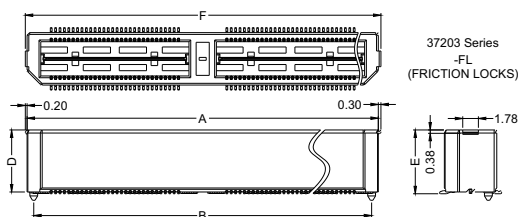
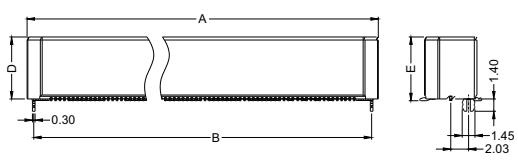
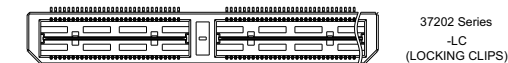
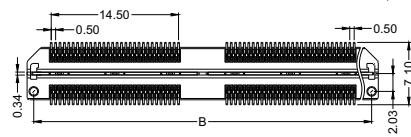
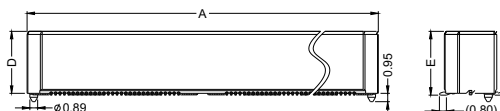
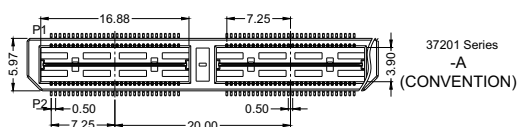


37202-PM030-042XXX01



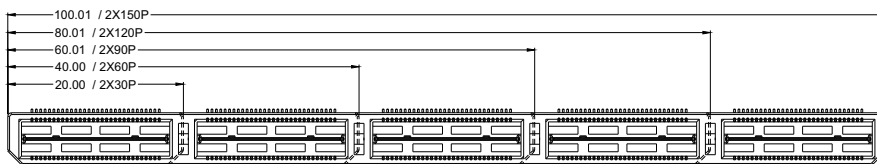
37203-PM030-042XXX01

37201 -	P	M	XXX	-	XXX	WX	X	01
37202	P:Plug	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37203		M:S/T SMT	60, 120, 180, 240, 300		042=4. 26mm 072=7. 26mm	W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube	



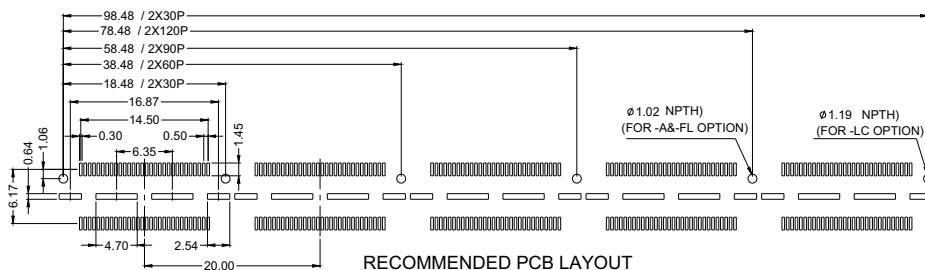
Dimension

OPTIONS	Part No.	Pos	A	B	D	E	F
37201 Series -A (CONVENTION)	37201-PM060-042XXX01	60	20.00	18.48	4.06	4.26	
	37201-PM120-042XXX01	120	40.00	38.48	4.06	4.26	
	37201-PM180-042XXX01	180	60.00	58.48	4.06	4.26	
	37201-PM240-042XXX01	240	80.00	78.48	4.06	4.26	
	37201-PM300-042XXX01	300	100.00	98.48	4.06	4.26	
	37201-PM060-072XXX01	60	20.00	18.48	7.06	7.26	
	37201-PM120-072XXX01	120	40.00	38.48	7.06	7.26	
	37201-PM180-072XXX01	180	60.00	58.48	7.06	7.26	
	37201-PM240-072XXX01	240	80.00	78.48	7.06	7.26	
	37201-PM300-072XXX01	300	100.00	98.48	7.06	7.26	
37202 Series -LC (LOCKING CLIPS)	37202-PM060-042XXX01	60	20.00	18.48	4.06	4.26	
	37202-PM120-042XXX01	120	40.00	38.48	4.06	4.26	
	37202-PM180-042XXX01	180	60.00	58.48	4.06	4.26	
	37202-PM240-042XXX01	240	80.00	78.48	4.06	4.26	
	37202-PM300-042XXX01	300	100.00	98.48	4.06	4.26	
	37202-PM060-072XXX01	60	20.00	18.48	7.06	7.26	
	37202-PM120-072XXX01	120	40.00	38.48	7.06	7.26	
	37202-PM180-072XXX01	180	60.00	58.48	7.06	7.26	
	37202-PM240-072XXX01	240	80.00	78.48	7.06	7.26	
	37202-PM300-072XXX01	300	100.00	98.48	7.06	7.26	
37203 Series -FL (FRICTION LOCKS)	37203-PM060-042XXX01	60	20.00	18.48	4.06	4.26	20.50
	37203-PM120-042XXX01	120	40.00	38.48	4.06	4.26	40.50
	37203-PM180-042XXX01	180	60.00	58.48	4.06	4.26	60.50
	37203-PM240-042XXX01	240	80.00	78.48	4.06	4.26	80.50
	37203-PM300-042XXX01	300	100.00	98.48	4.06	4.26	100.50
	37203-PM060-072XXX01	60	20.00	18.48	7.06	7.26	20.50
	37203-PM120-072XXX01	120	40.00	38.48	7.06	7.26	40.50
	37203-PM180-072XXX01	180	60.00	58.48	7.06	7.26	60.50
	37203-PM240-072XXX01	240	80.00	78.48	7.06	7.26	80.50
	37203-PM300-072XXX01	300	100.00	98.48	7.06	7.26	100.50



LENGTH SPECIFICATION DISPLAY

Stack Height(H)	Socket (H2)	Plug (H1)
5.00	3.25	4.26
8.00		7.26
11.00		10.26
14.00	3.25	13.26
15.00		14.26
16.00		15.24
19.00		18.24
22.00	3.25	21.24
25.00		24.24
30.00		29.24

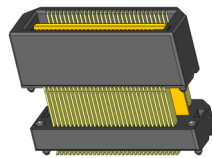


RECOMMENDED PCB LAYOUT

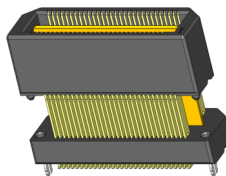


SPECIFICATIONS

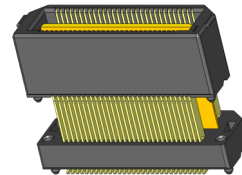
Current Rating: 2A per Pin
25A per ground plane
Voltage Rating:175V DC
Contact Resistance:30mΩ Max
Insulation Resistance: 5000MΩ Min
Withstand Voltage:675V AC
Operation Temperature: -55°C to +125°C
Contact Material:Copper Alloy
Contact plating: Au over Ni
Standard:LCP +GF (UL94V-0)
Max Cycles: 100
Type:S



37201-PM060-152XXX01

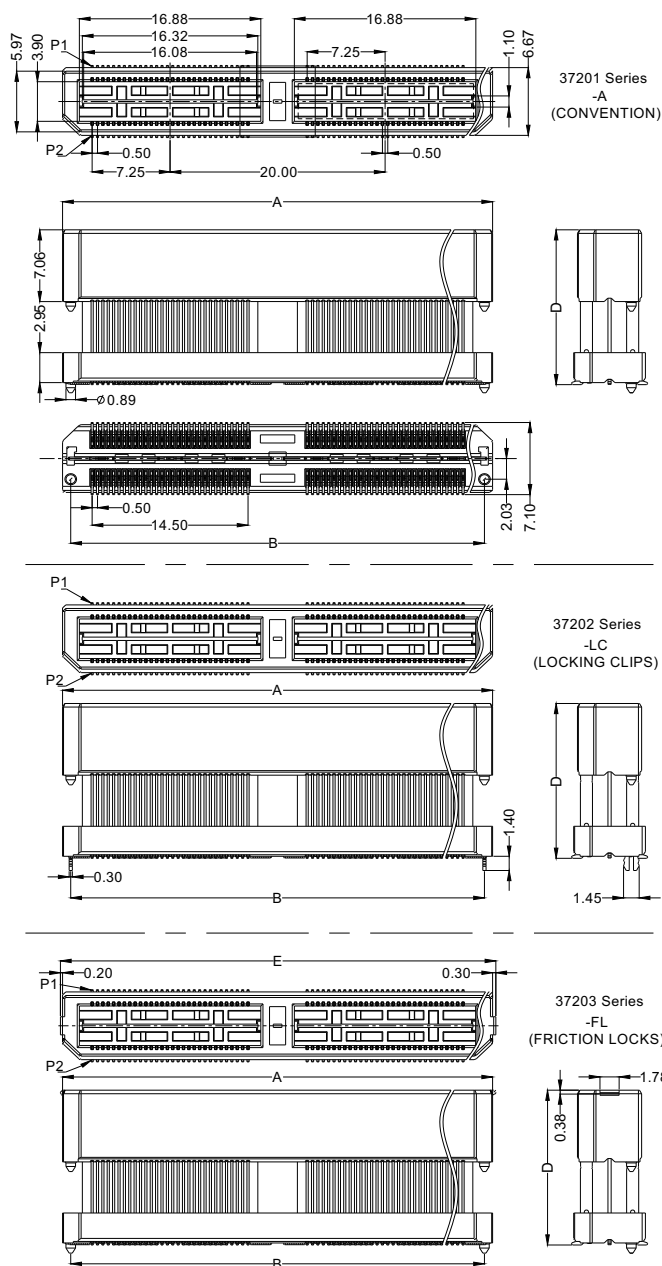


37202-PM060-152XXX01



37203-PM060-152XXX01

37201 -	P	M	XXX	-	XXX	WX	X	01
37202	P:Plug	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37203	M:S/T SMT	60, 120, 180, 240, 300	102=10.26mm 132=13.26mm 142=14.26mm 152=15.24mm		W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube		



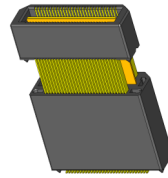
Dimension

OPTIONS	Part No.	Pos	A	B	D	E
37201 Series -A (CONVENTION)	37201-PM060-102XXR01	60	20.00	18.48	10.26	
	37201-PM120-102XXR01	120	40.00	38.48	10.26	
	37201-PM180-102XXR01	180	60.00	58.48	10.26	
	37201-PM240-102XXR01	240	80.00	78.48	10.26	
	37201-PM300-102XXR01	300	100.00	98.48	10.26	
	37201-PM060-132XXR01	60	20.00	18.48	13.26	
	37201-PM120-132 XXR01	120	40.00	38.48	13.26	
	37201-PM180-132 XXR01	180	60.00	58.48	13.26	
	37201-PM240-132 XXR01	240	80.00	78.48	13.26	
	37201-PM300-132 XXR01	300	100.00	98.48	13.26	
	37201-PM060-142XXR01	60	20.00	18.48	14.26	
	37201-PM120-142 XXR01	120	40.00	38.48	14.26	
	37201-PM180-142 XXR01	180	60.00	58.48	14.26	
	37201-PM240-142 XXR01	240	80.00	78.48	14.26	
	37201-PM300-142 XXR01	300	100.00	98.48	14.26	
37202 Series -LC (LOCKING CLIPS)	37202-PM060-152XXR01	60	20.00	18.48	15.24	
	37202-PM120-15 2XXR01	120	40.00	38.48	15.24	
	37202-PM180-15 2XXR01	180	60.00	58.48	15.24	
	37202-PM240-15 2XXR01	240	80.00	78.48	15.24	
	37202-PM300-15 2XXR01	300	100.00	98.48	15.24	
	37202-PM060-102XXR01	60	20.00	18.48	10.26	
	37202-PM120-102XXR01	120	40.00	38.48	10.26	
	37202-PM180-102XXR01	180	60.00	58.48	10.26	
	37202-PM240-102XXR01	240	80.00	78.48	10.26	
	37202-PM300-102XXR01	300	100.00	98.48	10.26	
	37202-PM060-132XXR01	60	20.00	18.48	13.26	
	37202-PM120-132 XXR01	120	40.00	38.48	13.26	
	37202-PM180-132 XXR01	180	60.00	58.48	13.26	
	37202-PM240-132 XXR01	240	80.00	78.48	13.26	
	37202-PM300-132 XXR01	300	100.00	98.48	13.26	
37203 Series -FL (FRICTION LOCKS)	37203-PM060-142XXR01	60	20.00	18.48	14.26	
	37203-PM120-142 XXR01	120	40.00	38.48	14.26	
	37203-PM180-142 XXR01	180	60.00	58.48	14.26	
	37203-PM240-142 XXR01	240	80.00	78.48	14.26	
	37203-PM300-142 XXR01	300	100.00	98.48	14.26	
	37203-PM060-152XXR01	60	20.00	18.48	15.24	20.50
	37203-PM120-15 2XXR01	120	40.00	38.48	15.24	20.50
	37203-PM180-15 2XXR01	180	60.00	58.48	15.24	20.50
	37203-PM240-15 2XXR01	240	80.00	78.48	15.24	20.50
	37203-PM300-15 2XXR01	300	100.00	98.48	15.24	20.50
	37203-PM060-102XXR01	60	20.00	18.48	10.26	40.50
	37203-PM120-102XXR01	120	40.00	38.48	10.26	40.50
	37203-PM180-102XXR01	180	60.00	58.48	10.26	40.50
	37203-PM240-102XXR01	240	80.00	78.48	10.26	40.50
	37203-PM300-102XXR01	300	100.00	98.48	10.26	40.50

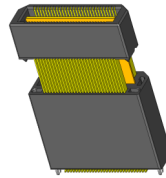


SPECIFICATIONS

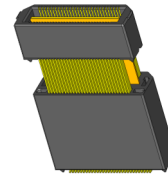
Current Rating: 2A per Pin
25A per ground plane
Voltage Rating:175V DC
Contact Resistance:30mΩ Max
Insulation Resistance: 5000MΩ Min
Withstand Voltage:675V AC
Operation Temperature: -55°C to +125°C
Contact Material:Copper Alloy
Contact plating: Au over Ni
Standard:LCP +GF (UL94V-0)
Max Cycles: 100
Type:S



37201-PM060-292XXA01

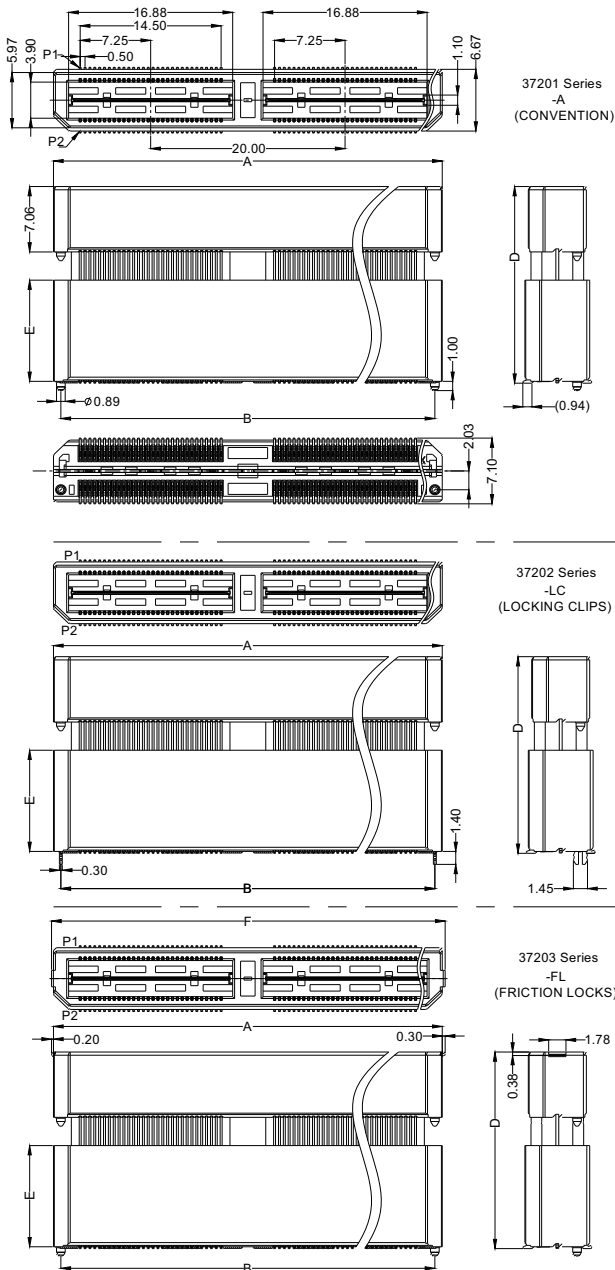


37202-PM060-292XXA01



37203-PM060-292XXA01

37201 -	P	M	XXX	-	XXX	WX	X	01
37202	P:Plug	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37203	M:S/T SMT	60,120,180,240,300	182=18.24mm 212=21.24mm 242=24.24mm 292=29.24mm		W1=30u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube		



Dimension

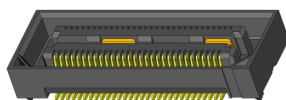
OPTIONS	Part No.	Pos	A	B	D	E	F
37201 Series -A (CONVENTION)	37201-PM060-182XXA01	60	20.00	18.48	18.24	10.93	
	37201-PM120-182XXA01	120	40.00	38.48	18.24	10.93	
	37201-PM180-182XXA01	180	60.00	58.48	18.24	10.93	
	37201-PM240-182XXA01	240	80.00	78.48	18.24	10.93	
	37201-PM300-182XXA01	300	100.00	98.48	18.24	10.93	
	37201-PM060-212XXA01	60	20.00	18.48	21.24	10.93	
	37201-PM120-212 XXA01	120	40.00	38.48	21.24	10.93	
	37201-PM180-212 XXA01	180	60.00	58.48	21.24	10.93	
	37201-PM240-212 XXA01	240	80.00	78.48	21.24	10.93	
	37201-PM300-212 XXA01	300	100.00	98.48	21.24	10.93	
	37201-PM060-242XXA01	60	20.00	18.48	24.24	15.24	
	37201-PM120-242 XXA01	120	40.00	38.48	24.24	15.24	
	37201-PM180-242 XXA01	180	60.00	58.48	24.24	15.24	
	37201-PM240-242 XXA01	240	80.00	78.48	24.24	15.24	
	37201-PM300-242 XXA01	300	100.00	98.48	24.24	15.24	
	37201-PM060-292XXA01	60	20.00	18.48	29.24	15.24	
	37201-PM120-292XXA01	120	40.00	38.48	29.24	15.24	
	37201-PM180-292XXA01	180	60.00	58.48	29.24	15.24	
	37201-PM240-292XXA01	240	80.00	78.48	29.24	15.24	
	37201-PM300-292XXA01	300	100.00	98.48	29.24	15.24	
37202 Series -LC (LOCKING CLIPS)	37202-PM060-182XXA01	60	20.00	18.48	18.24	10.93	
	37202-PM120-182XXA01	120	40.00	38.48	18.24	10.93	
	37202-PM180-182XXA01	180	60.00	58.48	18.24	10.93	
	37202-PM240-182XXA01	240	80.00	78.48	18.24	10.93	
	37202-PM300-182XXA01	300	100.00	98.48	18.24	10.93	
	37202-PM060-212XXA01	60	20.00	18.48	21.24	10.93	
	37202-PM120-212 XXA01	120	40.00	38.48	21.24	10.93	
	37202-PM180-212 XXA01	180	60.00	58.48	21.24	10.93	
	37202-PM240-212 XXA01	240	80.00	78.48	21.24	10.93	
	37202-PM300-212 XXA01	300	100.00	98.48	21.24	10.93	
	37202-PM060-242XXA01	60	20.00	18.48	24.24	15.24	
	37202-PM120-242 XXA01	120	40.00	38.48	24.24	15.24	
	37202-PM180-242 XXA01	180	60.00	58.48	24.24	15.24	
	37202-PM240-242 XXA01	240	80.00	78.48	24.24	15.24	
	37202-PM300-242 XXA01	300	100.00	98.48	24.24	15.24	
	37202-PM060-292XXA01	60	20.00	18.48	29.24	15.24	
37203 Series -FL (FRICTION LOCKS)	37203-PM060-182XXA01	60	20.00	18.48	18.24	10.93	20.50
	37203-PM120-182XXA01	120	40.00	38.48	18.24	10.93	40.50
	37203-PM180-182XXA01	180	60.00	58.48	18.24	10.93	60.50
	37203-PM240-182XXA01	240	80.00	78.48	18.24	10.93	80.50
	37203-PM300-182XXA01	300	100.00	98.48	18.24	10.93	100.50
	37203-PM060-212XXA01	60	20.00	18.48	21.24	10.93	20.50
	37203-PM120-212 XXA01	120	40.00	38.48	21.24	10.93	40.50
	37203-PM180-212 XXA01	180	60.00	58.48	21.24	10.93	60.50
	37203-PM240-212 XXA01	240	80.00	78.48	21.24	10.93	80.50
	37203-PM300-212 XXA01	300	100.00	98.48	21.24	10.93	100.50
	37203-PM060-242XXA01	60	20.00	18.48	24.24	15.24	20.50
	37203-PM120-242 XXA01	120	40.00	38.48	24.24	15.24	40.50
	37203-PM180-242 XXA01	180	60.00	58.48	24.24	15.24	60.50
	37203-PM240-242 XXA01	240	80.00	78.48	24.24	15.24	80.50
	37203-PM300-242 XXA01	300	100.00	98.48	24.24	15.24	100.50
	37203-PM060-292XXA01	60	20.00	18.48	29.24	15.24	20.50



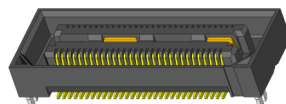
37201,37202,37203 Series Board to Board, High Speed,0.50mm (0.020"),Socket

SPECIFICATIONS

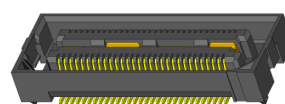
Current Rating: 2A per Pin
25A per ground plane
Voltage Rating:175V DC
Contact Resistance:30mΩ Max
Insulation Resistance: 5000MΩ Min
Withstand Voltage:675V AC
Operation Temperature: -55°C to +125°C
Contact Material:Copper Alloy
Contact plating: Au over Ni
Standard:LCP +GF (UL94V-0)
Max Cycles: 100
Type:S



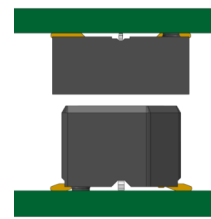
37201-SM060-032XXX01



37202-SM060-032XXX01

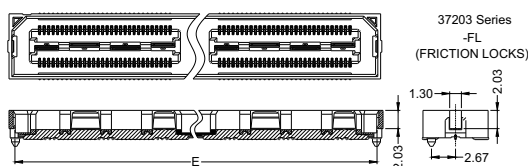
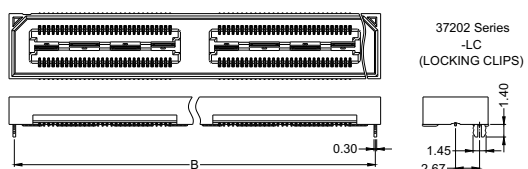
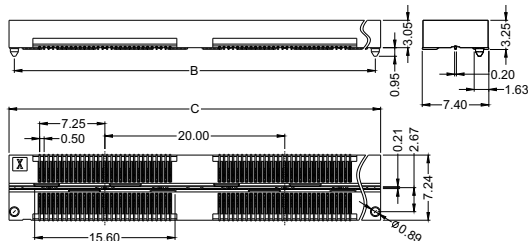
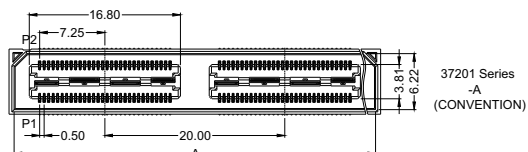


37203-SM060-032XXX01

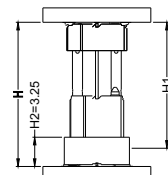
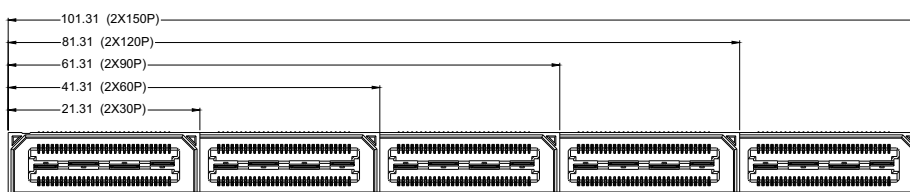


Assembly

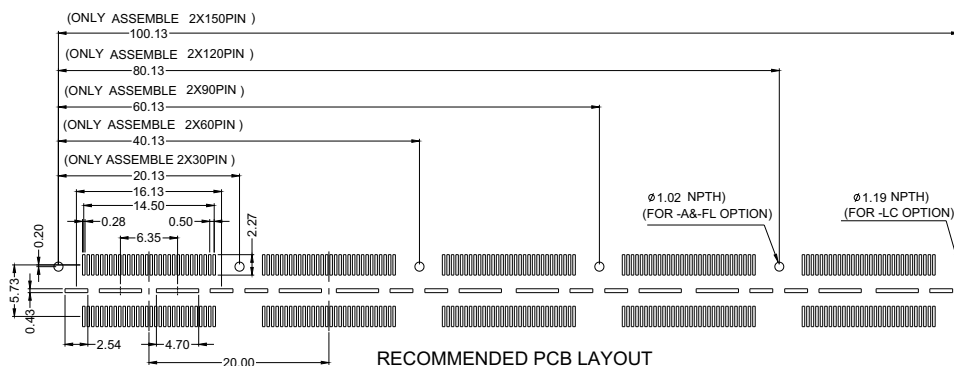
37201 -	S	M	XXX	-	XXX	WX	X	01
37202	S:Socket	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37203		M:S/T SMT	60,120,180,240,300		032=3.25mm	W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube	



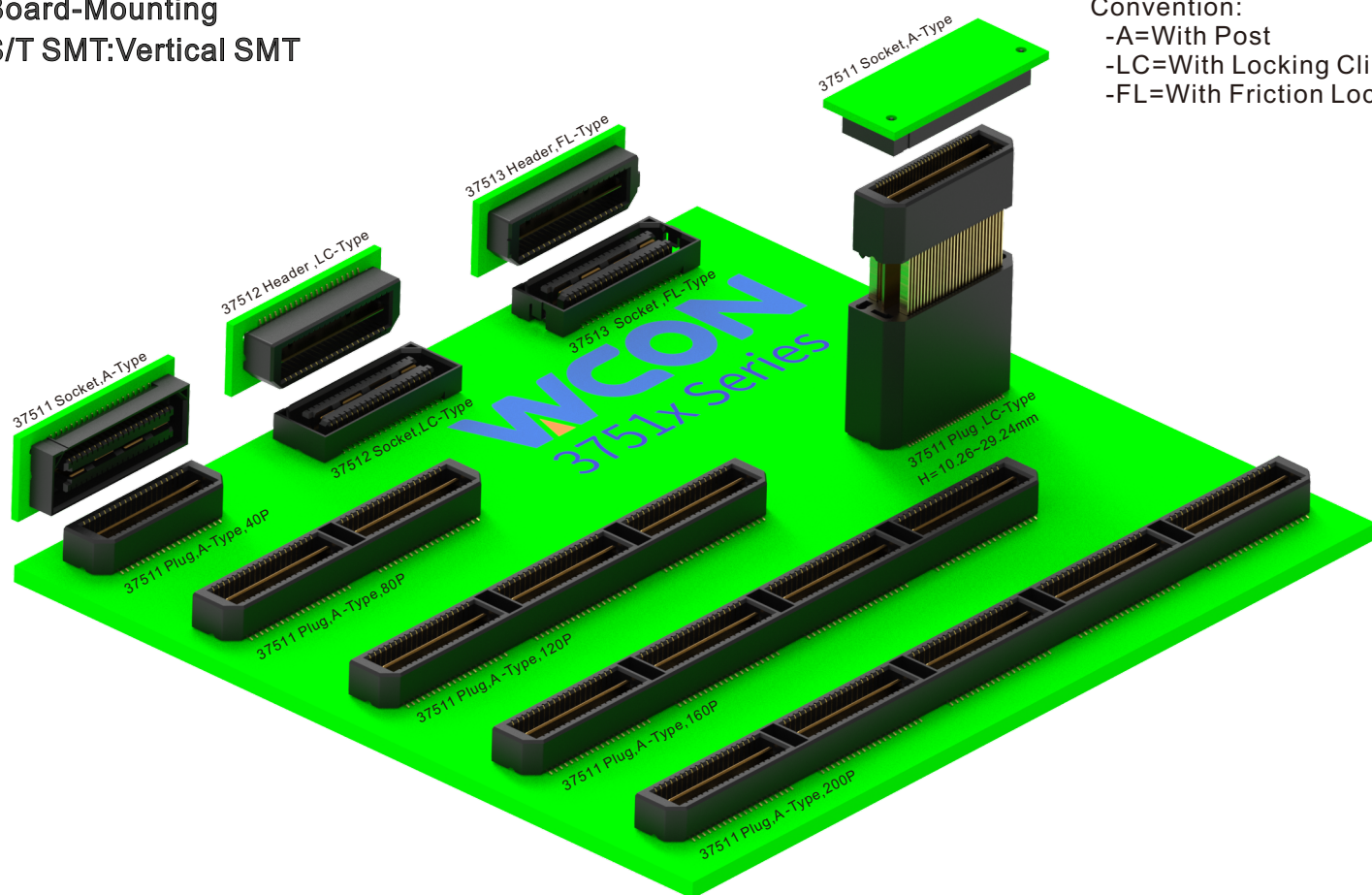
OPTIONS	Part NO.	Pos	A	B	C	D	E
37201 SERIES -A (CONVENTION)	37201-SM060-032XXX01	60	20.18	20.13	21.31	0.10	
	37201-SM120-032XXX01	120	40.18	40.13	41.31	0.10	
	37201-SM180-032XXX01	180	60.18	60.13	61.31	0.15	
	37201-SM240-032XXX01	240	80.18	80.13	81.31	0.15	
	37201-SM300-032XXX01	300	100.18	100.13	101.31	0.15	
37202 SERIES -LC (LOCKING CLIPS)	37202-SM060-032XXX01	60	20.18	20.13	21.31	0.10	
	37202-SM120-032XXX01	120	40.18	40.13	41.31	0.10	
	37202-SM180-032XXX01	180	60.18	60.13	61.31	0.15	
	37202-SM240-032XXX01	240	80.18	80.13	81.31	0.15	
	37202-SM300-032XXX01	300	100.18	100.13	101.31	0.15	
37203 SERIES -FL (FRICTION LOCKS)	37203-SM060-032XXX01	60	20.18	20.13	21.31	0.10	20.25
	37203-SM120-032XXX01	120	40.18	40.13	41.31	0.10	40.25
	37203-SM180-032XXX01	180	60.18	60.13	61.31	0.15	60.25
	37203-SM240-032XXX01	240	80.18	80.13	81.31	0.15	80.25
	37203-SM300-032XXX01	300	100.18	100.13	101.31	0.15	100.25



Stack Height(H)	Socket (H2)	Plug (H1)
5.00	3.25	4.26
8.00		7.26
11.00		10.26
14.00	3.25	13.26
15.00		14.26
16.00		15.24
19.00		18.24
22.00	3.25	21.24
25.00		24.24
30.00		29.24



Board-Mounting
S/T SMT:Vertical SMT

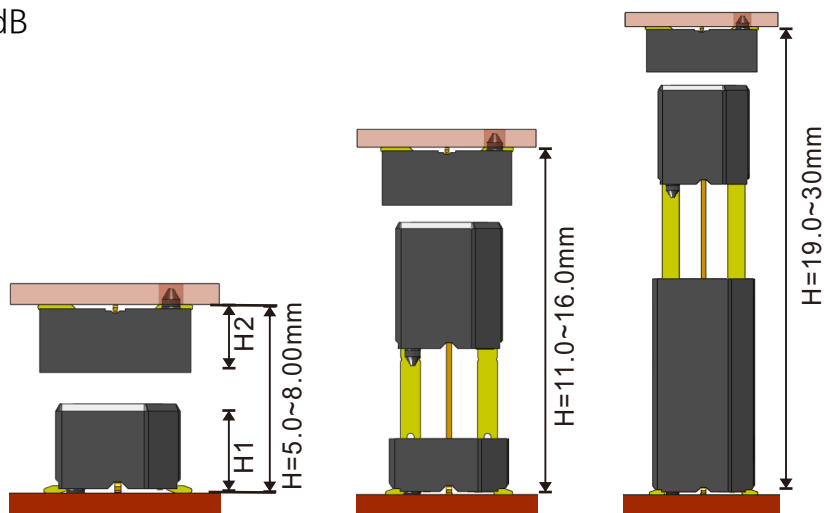


HIGH-SPEED CHANNEL PERFORMANCE (37511/37512/37513 Series)

Stack height(H)	Single-ended signal	Differential pair signal
5mm	18 Gbps	28 Gbps
8mm	10 Gbps	16 Gbps
11mm	13 Gbps	13 Gbps
16mm	10 Gbps	17 Gbps
19mm	10 Gbps	10 Gbps
25mm	10 Gbps	24 Gbps

Remark: Insertion loss is less than 3dB

Stack height	Plug	Socket
H	H1	H2
5.00	4.26	3.25
8.00	7.26	3.25
11.00	10.26	3.25
14.00	13.26	3.25
15.00	14.26	3.25
16.00	15.24	3.25
19.00	18.24	3.25
22.00	21.24	3.25
25.00	24.24	3.25
30.00	29.24	3.25





SPECIFICATIONS

Current Rating: 2A Max (only one pin)

Voltage Rating: 225V DC

Contact Resistance: 30mΩ Max

Insulation Resistance: 5000MΩ Min

Withstand Voltage: 750V AC

Operation Temperature: -55°C to +125°C

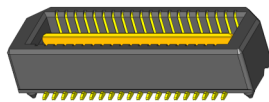
Contact Material: Copper Alloy

Contact plating: Au or Sn over Ni

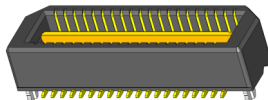
Standard: LCP +GF (UL94V-0)

Max Cycles: 100

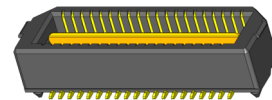
Type: S



37511-PM040-042XXX01

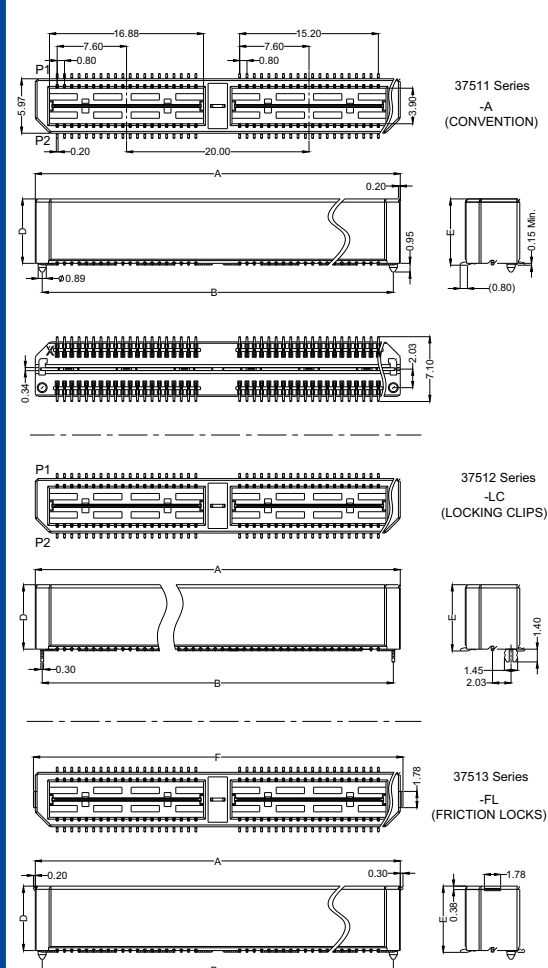


37512-PM040-042XXX01



37513-PM040-042XXX01

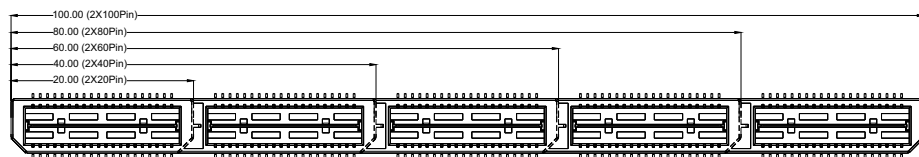
37511 -	P	M	XXX	-	XXX	WX	X	01
37512	P: Plug	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37513	M: S/T SMT		40, 80, 120, 160, 200		042=4.26mm 072=7.26mm	W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube	



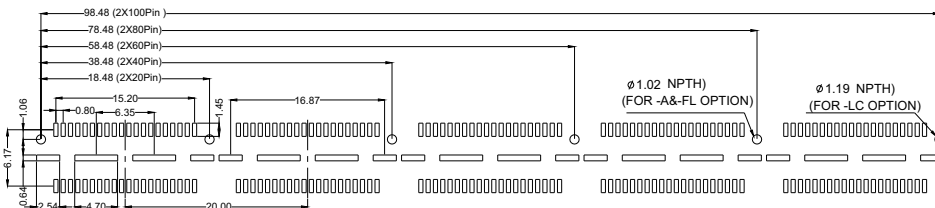
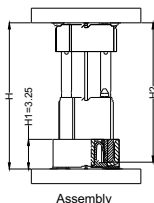
Dimension

OPTIONS	Part No.	Pos	A	B	D	E	F
37511 Series -A (CONVENTION)	37511-PM040-042XXX01	40	20.00	18.48	4.06	4.26	
	37511-PM080-042XXX01	80	40.00	38.48	4.06	4.26	
	37511-PM120-042XXX01	120	60.00	58.48	4.06	4.26	
	37511-PM160-042XXX01	160	80.00	78.48	4.06	4.26	
	37511-PM200-042XXX01	200	100.00	98.48	4.06	4.26	
	37511-PM040-072XXX01	40	20.00	18.48	7.06	7.26	
	37511-PM080-072XXX01	80	40.00	38.48	7.06	7.26	
	37511-PM120-072XXX01	120	60.00	58.48	7.06	7.26	
	37511-PM160-072XXX01	160	80.00	78.48	7.06	7.26	
	37511-PM200-072XXX01	200	100.00	98.48	7.06	7.26	
37512 Series -LC (LOCKING CLIPS)	37512-PM040-042XXX01	40	20.00	18.48	4.06	4.26	
	37512-PM080-042XXX01	80	40.00	38.48	4.06	4.26	
	37512-PM120-042XXX01	120	60.00	58.48	4.06	4.26	
	37512-PM160-042XXX01	160	80.00	78.48	4.06	4.26	
	37512-PM200-042XXX01	200	100.00	98.48	4.06	4.26	
	37512-PM040-072XXX01	40	20.00	18.48	7.06	7.26	
	37512-PM080-072XXX01	80	40.00	38.48	7.06	7.26	
	37512-PM120-072XXX01	120	60.00	58.48	7.06	7.26	
	37512-PM160-072XXX01	160	80.00	78.48	7.06	7.26	
	37512-PM200-072XXX01	200	100.00	98.48	7.06	7.26	
37513 Series -FL (FRICTION LOCKS)	37513-PM040-042XXX01	40	20.00	18.48	4.06	4.26	20.50
	37513-PM080-042XXX01	80	40.00	38.48	4.06	4.26	40.50
	37513-PM120-042XXX01	120	60.00	58.48	4.06	4.26	60.50
	37513-PM160-042XXX01	160	80.00	78.48	4.06	4.26	80.50
	37513-PM200-042XXX01	200	100.00	98.48	4.06	4.26	100.50
	37513-PM040-072XXX01	40	20.00	18.48	7.06	7.26	20.50
	37513-PM080-072XXX01	80	40.00	38.48	7.06	7.26	40.50
	37513-PM120-072XXX01	120	60.00	58.48	7.06	7.26	60.50
	37513-PM160-072XXX01	160	80.00	78.48	7.06	7.26	80.50
	37513-PM200-072XXX01	200	100.00	98.48	7.06	7.26	100.50

LENGTH SPECIFICATION DISPLAY



Stack Height H	Socket Height H1	Plug Height H2
5.00	3.25	4.26
8.00		7.26
11.00		10.26
14.00		13.26
15.00		14.26
16.00		15.24
19.00		18.24
22.00		21.24
25.00		24.24
30.00		29.24



RECOMMENDED PCB LAYOUT



SPECIFICATIONS

Current Rating: 2A Max (only one pin)

Voltage Rating: 225V DC

Contact Resistance: 30mΩ Max

Insulation Resistance: 5000MΩ Min

Withstand Voltage: 750V AC

Operation Temperature: -55°C to +125°C

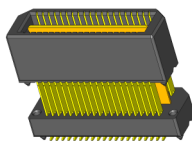
Contact Material: Copper Alloy

Contact plating: Au or Sn over Ni

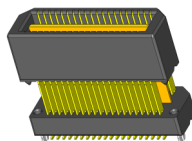
Standard: LCP +GF (UL94V-0)

Max Cycles: 100

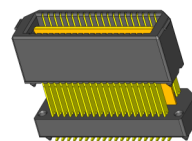
Type: S



37511-PM040-152XXX01

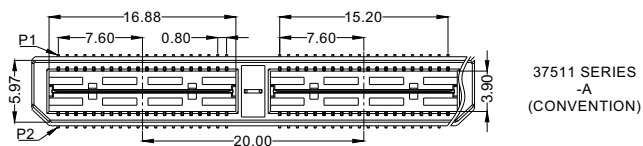


37512-PM040-152XXX01

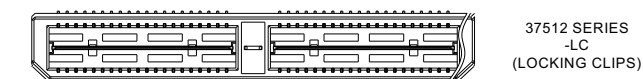
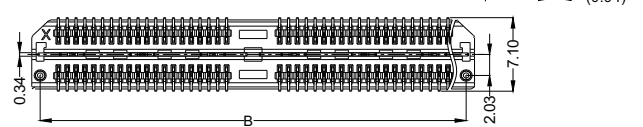
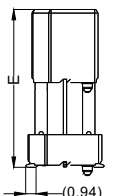
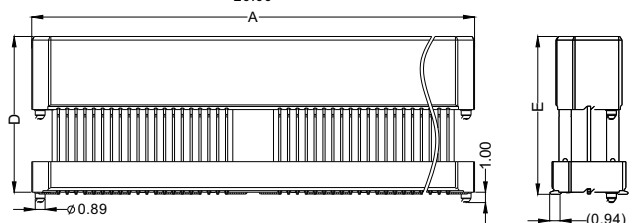


37513-PM040-152XXX01

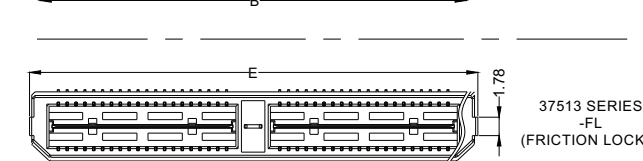
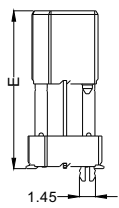
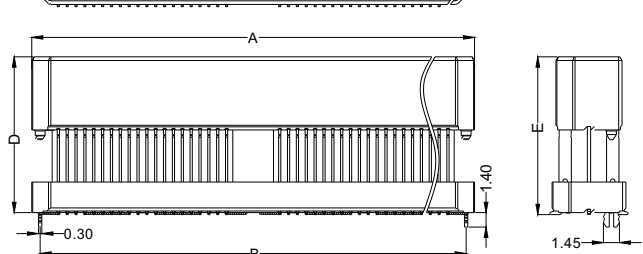
37511 -	P	M	XXX	-	XXX	WX	X	01
37512	P: Plug	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37513	M: S/T SMT		40, 80, 120, 160, 200		102=10.26mm 132=13.26mm 142=14.26mm 152=15.24mm	W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube	



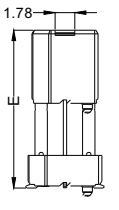
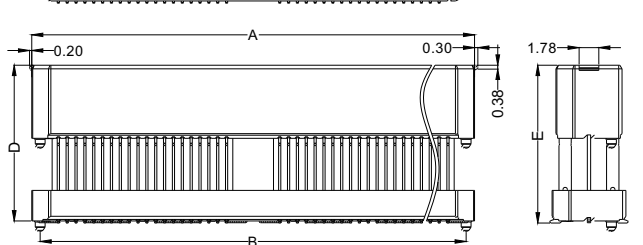
37511 SERIES
-A
(CONVENTION)



37512 SERIES
-LC
(LOCKING CLIPS)



37513 SERIES
-FL
(FRICTION LOCKS)



Dimension

OPTIONS	Part No.	Pos	A	B	D	E
37511 SERIES -A (CONVENTION)	37511-PM040-102XXX01	40	20.00	18.48	10.26	
	37511-PM080-102XXX01	80	40.00	38.48	10.26	
	37511-PM120-102XXX01	120	60.00	58.48	10.26	
	37511-PM160-102XXX01	160	80.00	78.48	10.26	
	37511-PM200-102XXX01	200	100.00	98.48	10.26	
	37511-PM040-132XXX01	40	20.00	18.48	13.26	
	37511-PM080-132XXX01	80	40.00	38.48	13.26	
	37511-PM120-132XXX01	120	60.00	58.48	13.26	
	37511-PM160-132XXX01	160	80.00	78.48	13.26	
	37511-PM200-132XXX01	200	100.00	98.48	13.26	
	37511-PM040-142XXX01	40	20.00	18.48	14.26	
	37511-PM080-142XXX01	80	40.00	38.48	14.26	
	37511-PM120-142XXX01	120	60.00	58.48	14.26	
	37511-PM160-142XXX01	160	80.00	78.48	14.26	
	37511-PM200-142XXX01	200	100.00	98.48	14.26	
	37511-PM040-152XXX01	40	20.00	18.48	15.26	
	37511-PM080-152XXX01	80	40.00	38.48	15.26	
	37511-PM120-152XXX01	120	60.00	58.48	15.26	
	37511-PM160-152XXX01	160	80.00	78.48	15.26	
	37511-PM200-152XXX01	200	100.00	98.48	15.26	
37512 SERIES -LC (LOCKING CLIPS)	37512-PM040-102XXX01	40	20.00	18.48	10.26	
	37512-PM080-102XXX01	80	40.00	38.48	10.26	
	37512-PM120-102XXX01	120	60.00	58.48	10.26	
	37512-PM160-102XXX01	160	80.00	78.48	10.26	
	37512-PM200-102XXX01	200	100.00	98.48	10.26	
	37512-PM040-132XXX01	40	20.00	18.48	13.26	
	37512-PM080-132XXX01	80	40.00	38.48	13.26	
	37512-PM120-132XXX01	120	60.00	58.48	13.26	
	37512-PM160-132XXX01	160	80.00	78.48	13.26	
	37512-PM200-132XXX01	200	100.00	98.48	13.26	
	37512-PM040-142XXX01	40	20.00	18.48	14.26	
	37512-PM080-142XXX01	80	40.00	38.48	14.26	
	37512-PM120-142XXX01	120	60.00	58.48	14.26	
	37512-PM160-142XXX01	160	80.00	78.48	14.26	
	37512-PM200-142XXX01	200	100.00	98.48	14.26	
	37512-PM040-152XXX01	40	20.00	18.48	15.26	
	37512-PM080-152XXX01	80	40.00	38.48	15.26	
	37512-PM120-152XXX01	120	60.00	58.48	15.26	
	37512-PM160-152XXX01	160	80.00	78.48	15.26	
	37512-PM200-152XXX01	200	100.00	98.48	15.26	
37513 SERIES -FL (FRICTION LOCKS)	37513-PM040-102XXX01	40	20.00	18.48	10.26	20.50
	37513-PM080-102XXX01	80	40.00	38.48	10.26	40.50
	37513-PM120-102XXX01	120	60.00	58.48	10.26	60.50
	37513-PM160-102XXX01	160	80.00	78.48	10.26	80.50
	37513-PM200-102XXX01	200	100.00	98.48	10.26	100.50
	37513-PM040-132XXX01	40	20.00	18.48	13.26	20.50
	37513-PM080-132XXX01	80	40.00	38.48	13.26	40.50
	37513-PM120-132XXX01	120	60.00	58.48	13.26	60.50
	37513-PM160-132XXX01	160	80.00	78.48	13.26	80.50
	37513-PM200-132XXX01	200	100.00	98.48	13.26	100.50
	37513-PM040-142XXX01	40	20.00	18.48	14.26	20.50
	37513-PM080-142XXX01	80	40.00	38.48	14.26	40.50
	37513-PM120-142XXX01	120	60.00	58.48	14.26	60.50
	37513-PM160-142XXX01	160	80.00	78.48	14.26	80.50
	37513-PM200-142XXX01	200	100.00	98.48	14.26	100.50
	37513-PM040-152XXX01	40	20.00	18.48	15.26	20.50
	37513-PM080-152XXX01	80	40.00	38.48	15.26	40.50
	37513-PM120-152XXX01	120	60.00	58.48	15.26	60.50
	37513-PM160-152XXX01	160	80.00	78.48	15.26	80.50
	37513-PM200-152XXX01	200	100.00	98.48	15.26	100.50



37511/37512/37513 Series

Board to Board, High Speed, 0.80mm (0.032"), Plug, Add Housing

SPECIFICATIONS

Current Rating: 2A Max (only one pin)

Voltage Rating: 225V DC

Contact Resistance: 30mΩ Max

Insulation Resistance: 5000MΩ Min

Withstand Voltage: 750V AC

Operation Temperature: -55°C to +125°C

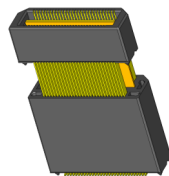
Contact Material: Copper Alloy

Contact plating: Au or Sn over Ni

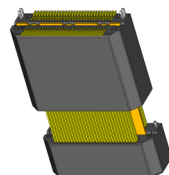
Standard: LCP +GF (UL94V-0)

Max Cycles: 100

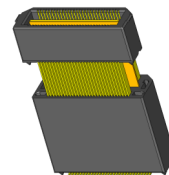
Type: S



37511-PM040-292XXX01

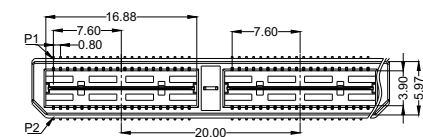


37512-PM040-292XXX01

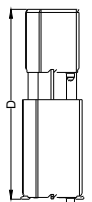
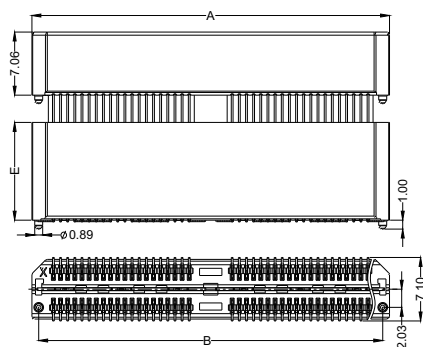


37513-PM040-292XXX01

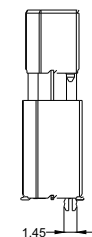
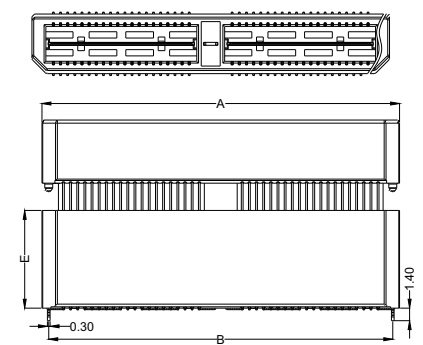
37511 -	P	M	XXX	-	XXX	WX	X	01
37512	P: Plug	Board-Mounting	Positions		Insulator Height	Contact plating area	Packaging	
37513	M: S/T SMT	M: S/T SMT	40, 80, 120, 160, 200		182=18.26mm 212=21.26mm 242=24.24mm 292=29.24mm	W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	R=Tape&Reel T=Tube	



37511 SERIES
(COMMON)



37512 SERIES
-LC
(LOCKING CLIPS)



37513 SERIES
-FL
(FRICTION LOCKS)

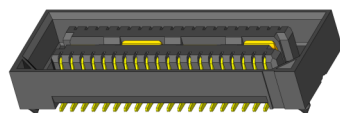
OPTIONS	Part No.	Pos	A	B	D	E	F
37511 SERIES -A (COMMON)	37511-PM040-182XXA01	40	20.00	18.48	18.26	10.93	
	37511-PM080-182XXA01	80	40.00	38.48	18.26	10.93	
	37511-PM120-182XXA01	120	60.00	58.48	18.26	10.93	
	37511-PM160-182XXA01	160	80.00	78.48	18.26	10.93	
	37511-PM200-182XXA01	200	100.00	98.48	18.26	10.93	
	37511-PM040-212XXA01	40	20.00	18.48	21.26	10.93	
	37511-PM080-212XXA01	80	40.00	38.48	21.26	10.93	
	37511-PM120-212XXA01	120	60.00	58.48	21.26	10.93	
	37511-PM160-212XXA01	160	80.00	78.48	21.26	10.93	
	37511-PM200-212XXA01	200	100.00	98.48	21.26	10.93	
	37511-PM040-242XXA01	40	20.00	18.48	24.24	15.24	
	37511-PM080-242XXA01	80	40.00	38.48	24.24	15.24	
	37511-PM120-242XXA01	120	60.00	58.48	24.24	15.24	
	37511-PM160-242XXA01	160	80.00	78.48	24.24	15.24	
	37511-PM200-242XXA01	200	100.00	98.48	24.24	15.24	
	37511-PM040-292XXA01	40	20.00	18.48	29.24	15.24	
	37511-PM080-292XXA01	80	40.00	38.48	29.24	15.24	
	37511-PM120-292XXA01	120	60.00	58.48	29.24	15.24	
	37511-PM160-292XXA01	160	80.00	78.48	29.24	15.24	
	37511-PM200-292XXA01	200	100.00	98.48	29.24	15.24	
	37512-PM040-182XXA01	40	20.00	18.48	18.26	10.93	
	37512-PM080-182XXA01	80	40.00	38.48	18.26	10.93	
	37512-PM120-182XXA01	120	60.00	58.48	18.26	10.93	
	37512-PM160-182XXA01	160	80.00	78.48	18.26	10.93	
37512 SERIES -LC (LOCKING CLIPS)	37512-PM200-182XXA01	200	100.00	98.48	18.26	10.93	
	37512-PM040-212XXA01	40	20.00	18.48	21.26	10.93	
	37512-PM080-212XXA01	80	40.00	38.48	21.26	10.93	
	37512-PM120-212XXA01	120	60.00	58.48	21.26	10.93	
	37512-PM160-212XXA01	160	80.00	78.48	21.26	10.93	
	37512-PM200-212XXA01	200	100.00	98.48	21.26	10.93	
	37512-PM040-242XXA01	40	20.00	18.48	24.24	15.24	
	37512-PM080-242XXA01	80	40.00	38.48	24.24	15.24	
	37512-PM120-242XXA01	120	60.00	58.48	24.24	15.24	
	37512-PM160-242XXA01	160	80.00	78.48	24.24	15.24	
	37512-PM200-242XXA01	200	100.00	98.48	24.24	15.24	
	37512-PM040-292XXA01	40	20.00	18.48	29.24	15.24	
	37512-PM080-292XXA01	80	40.00	38.48	29.24	15.24	
	37512-PM120-292XXA01	120	60.00	58.48	29.24	15.24	
	37512-PM160-292XXA01	160	80.00	78.48	29.24	15.24	
	37512-PM200-292XXA01	200	100.00	98.48	29.24	15.24	
37513 SERIES -FL (FRICTION LOCKS)	37513-PM040-182XXA01	40	20.00	18.48	18.26	10.93	20.50
	37513-PM080-182XXA01	80	40.00	38.48	18.26	10.93	40.50
	37513-PM120-182XXA01	120	60.00	58.48	18.26	10.93	60.50
	37513-PM160-182XXA01	160	80.00	78.48	18.26	10.93	80.50
	37513-PM200-182XXA01	200	100.00	98.48	18.26	10.93	100.50
	37513-PM040-212XXA01	40	20.00	18.48	21.26	10.93	20.50
	37513-PM080-212XXA01	80	40.00	38.48	21.26	10.93	40.50
	37513-PM120-212XXA01	120	60.00	58.48	21.26	10.93	60.50
	37513-PM160-212XXA01	160	80.00	78.48	21.26	10.93	80.50
	37513-PM200-212XXA01	200	100.00	98.48	21.26	10.93	100.50
	37513-PM040-242XXA01	40	20.00	18.48	24.24	15.24	20.50
	37513-PM080-242XXA01	80	40.00	38.48	24.24	15.24	40.50
	37513-PM120-242XXA01	120	60.00	58.48	24.24	15.24	60.50
	37513-PM160-242XXA01	160	80.00	78.48	24.24	15.24	80.50
	37513-PM200-242XXA01	200	100.00	98.48	24.24	15.24	100.50
	37513-PM040-292XXA01	40	20.00	18.48	29.24	15.24	20.50
	37513-PM080-292XXA01	80	40.00	38.48	29.24	15.24	40.50
	37513-PM120-292XXA01	120	60.00	58.48	29.24	15.24	60.50
	37513-PM160-292XXA01	160	80.00	78.48	29.24	15.24	80.50
	37513-PM200-292XXA01	200	100.00	98.48	29.24	15.24	100.50



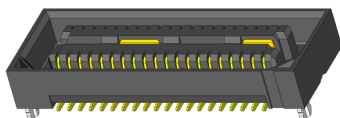
37511/37512/37513 Series Board to Board, High Speed, 0.80mm (0.032"), Socket

SPECIFICATIONS

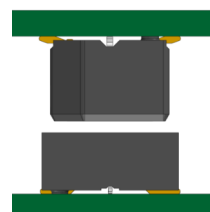
Current Rating: 2A Max (only one pin)
Voltage Rating: 225V DC
Contact Resistance: 30mΩ Max
Insulation Resistance: 5000MΩ Min
Withstand Voltage: 750V AC
Operation Temperature: -55°C to +125°C
Contact Material: Copper Alloy
Contact plating: Au or Sn Over Ni
Standard: LCP +GF (UL94V-0)
Max Cycles: 100
Type: S



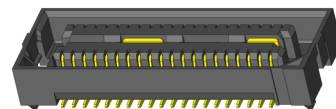
37511-SM040-032XXX01



37512-SM040-032XXX01

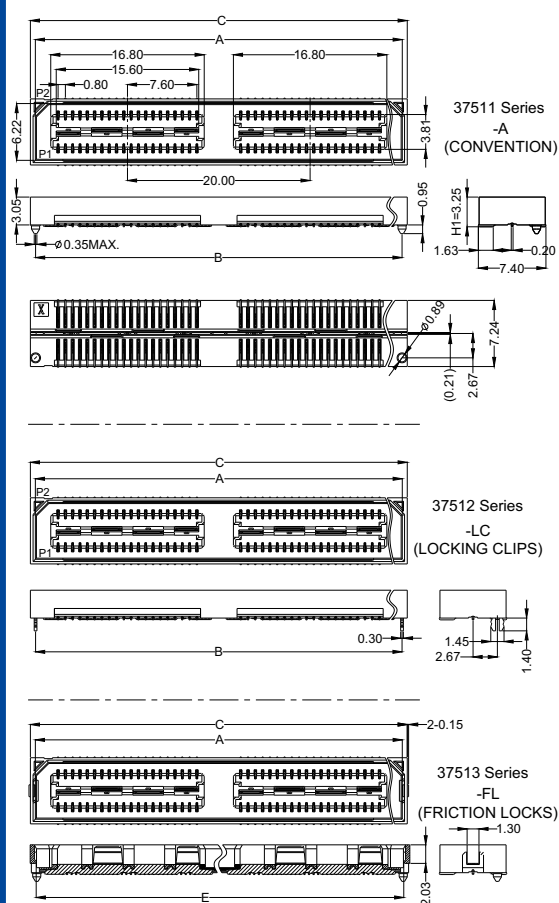


Assembly



37513-SM040-032XXX01

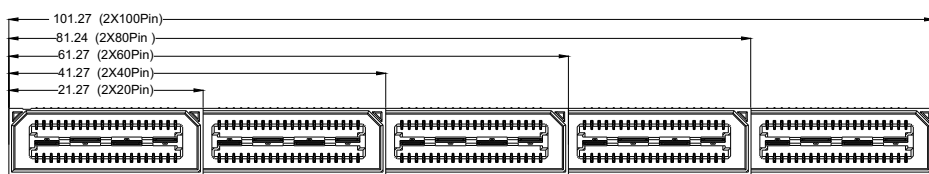
3751X - S M XXX - XXX WX X 01						
37512 37513	S:Socket M:Socket	Board-Mounting M:S/T SMT	Positions 40,80,120,160,200	Insulator Height 032=3.25mm	Contact plating area W1=3u"Au/Matte Tin W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	Packaging R=Tape&Reel T=Tube



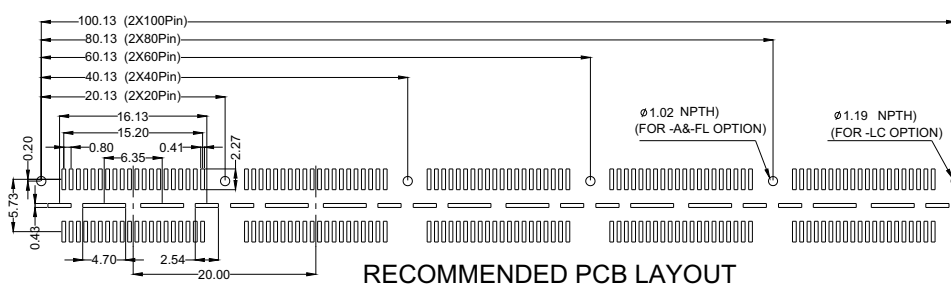
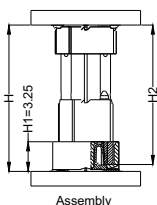
Dimension

OPTIONS	Part NO.	Pos.	A	B	C	E
37511 Series -A (CONVENTION)	37511-SM040-032XXX01	2*20	20.18	20.13	21.27	
	37511-SM080-032XXX01	2*40	40.18	40.13	41.27	
	37511-SM120-032XXX01	2*60	60.18	60.13	61.27	
	37511-SM160-032XXX01	2*80	80.18	80.13	81.27	
	37511-SM200-032XXX01	2*100	100.18	100.13	101.27	
37512 Series -LC (LOCKING CLIPS)	37512-SM040-032XXX01	2*20	20.18	20.13	21.27	
	37512-SM080-032XXX01	2*40	40.18	40.13	41.27	
	37512-SM120-032XXX01	2*60	60.18	60.13	61.27	
	37512-SM160-032XXX01	2*80	80.18	80.13	81.27	
	37512-SM200-032XXX01	2*100	100.18	100.13	101.27	
37513 Series -FL (FRICTION LOCKS)	37513-SM040-032XXX01	2*20	20.18	20.13	21.27	20.25
	37513-SM080-032XXX01	2*40	40.18	40.13	41.27	40.25
	37513-SM120-032XXX01	2*60	60.18	60.13	61.27	60.25
	37513-SM160-032XXX01	2*80	80.18	80.13	81.27	80.25
	37513-SM200-032XXX01	2*100	100.18	100.13	101.27	100.25

LENGTH SPECIFICATION DISPLAY

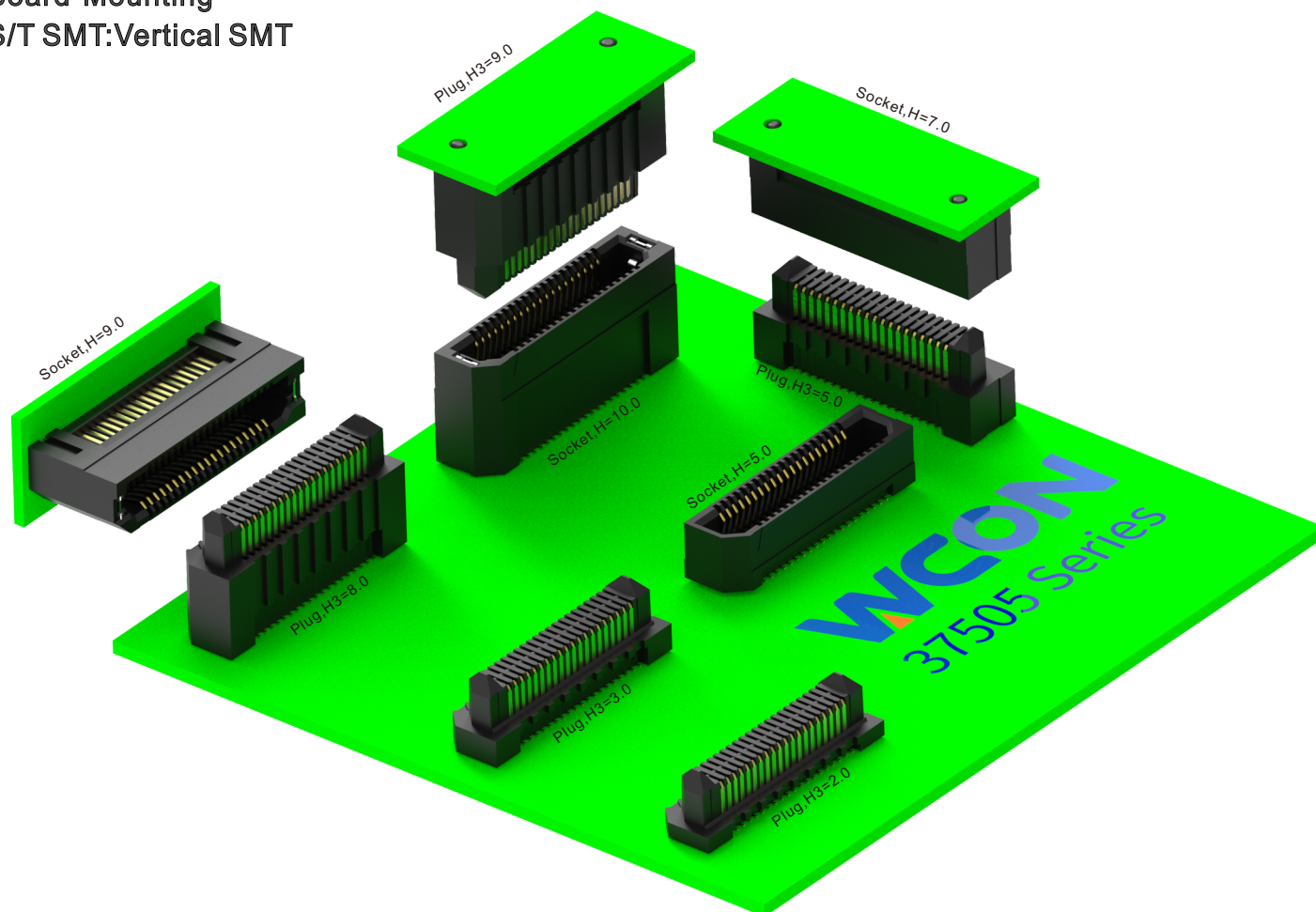


ASSY Height H	Socket Height H1	Plug Height H2
5.00	3.25	4.26
8.00		7.26
11.00		10.26
14.00	3.25	13.26
15.00		14.26
16.00		15.24
19.00		18.24
22.00	3.25	21.24
25.00		24.24
30.00		29.24



RECOMMENDED PCB LAYOUT

Board-Mounting
S/T SMT:Vertical SMT



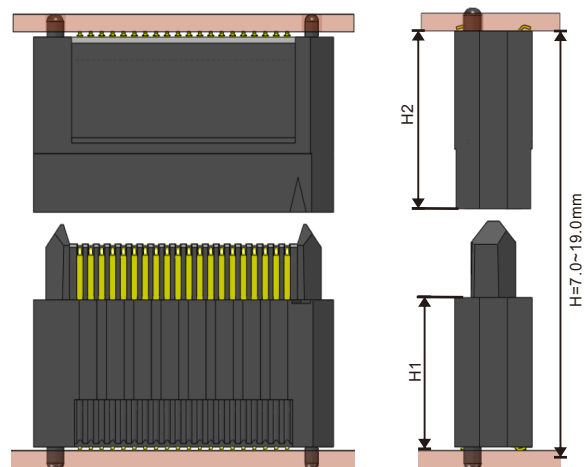
HIGH-SPEED CHANNEL PERFORMANCE (37505 Series)

Stack height(H)	Single-ended signal	Differential pair signal
7mm	24 Gbps	31Gbps
10mm	32 Gbps	40Gbps
16mm	32 Gbps	40Gbps

Remark: Insertion loss is less than 3dB

Stack height	Socket	Header
H	H2	H1
7.00	5.0	2.0
8.00	5.0	3.0
9.00	7.0	2.0
10.00	5.0	5.0
	7.0	3.0
11.00	9.0	2.0
	7.0	5.0
12.00	9.0	3.0
	10.0	2.0
13.00	10.0	3.0
	5.0	8.0

Stack height	Socket	Header
H	H2	H1
14.00	5.0	9.0
	9.0	5.0
15.00	7.0	8.0
	10.0	5.0
16.00	7.0	9.0
17.00	9.0	8.0
18.00	9.0	9.0
18.00	10.0	8.0
19.00	10.0	9.0

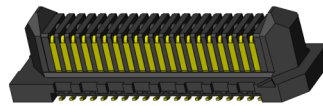




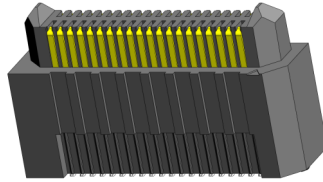
37505 Series Board to Board, High Speed, 0.80mm(0.032"), Plug

SPECIFICATIONS

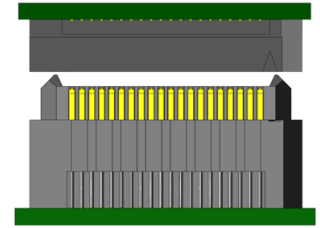
Current Rating: 2.1A Max/Per Pin
Contact Resistance: 30mΩ Max
Insulation Resistance: 20000MΩ Min
Withstand Voltage: 900V AC
Operation Temperature: -55°C to +125°C
Contact Material: Copper Alloy
Contact plating: Au or Sn over Ni
Standard: LCP +GF (UL94V-0)
Type: S



37505-PM040-020WXR01



37505-PM040-090WXR01



Assembly

37505 - P M XXX - XXX WX X 01

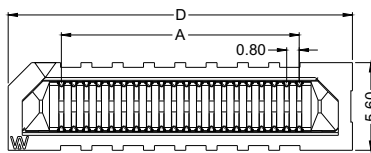
P: Plug
M: Board-Mounting
S/T SMT

Positions
10, 20, 22, 26, 40, 46,
50, 60, 70, 80, 98, 100,
120, 140, 150, 200

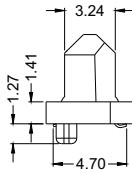
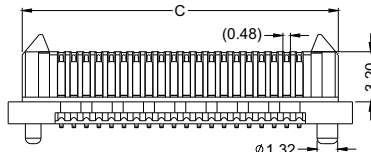
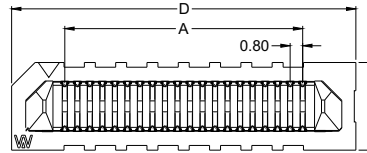
Insulator Height
020=1.605mm 030=2.605mm
050=4.605mm 080=7.605mm
090=8.605mm

Contact plating area
W3=10u"Au/Matte Tin
W5=30u"Au/Matte Tin

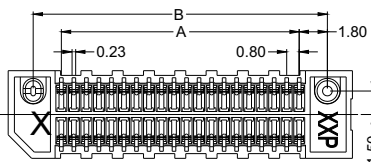
Packaging
R: Tape & Reel



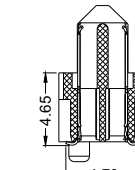
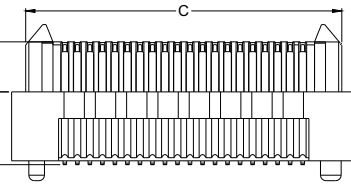
37505-PMXXX-XXXWXR0X



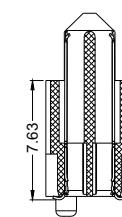
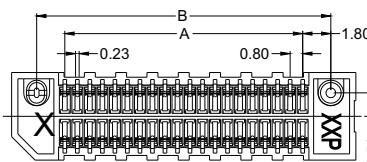
37505-PMXXX-020WXR0X



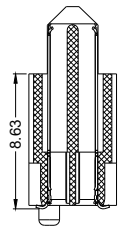
37505-PMXXX-030WXR0X



37505-PMXXX-050WXR0X

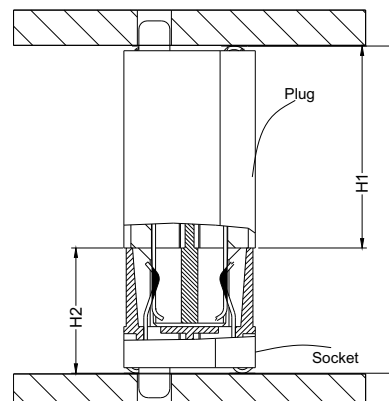
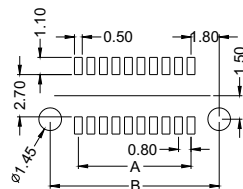


37505-PMXXX-080WXR0X



37505-PMXXX-090WXR0X

Part No.	Pos	A	B	C	D
37505-PM010-XXXWXR01	10	3.2	6.8	8.20	10.0
37505-PM020-XXXWXR01	20	7.2	10.8	12.20	14.0
37505-PM022-XXXWXR01	22	8.0	11.6	13.00	14.8
37505-PM026-XXXWXR01	26	9.6	13.2	14.60	16.4
37505-PM040-XXXWXR01	40	15.2	18.8	20.20	22.0
37505-PM046-XXXWXR01	46	17.6	21.2	22.60	24.4
37505-PM050-XXXWXR01	50	19.2	22.8	24.20	26.0
37505-PM060-XXXWXR01	60	23.2	26.8	28.20	30.0
37505-PM070-XXXWXR01	70	27.2	30.8	32.20	34.0
37505-PM080-XXXWXR01	80	31.2	34.8	36.20	38.0
37505-PM098-XXXWXR01	98	38.4	42.0	43.40	45.2
37505-PM100-XXXWXR01	100	39.2	42.8	44.20	46.0
37505-PM120-XXXWXR01	120	47.2	50.8	52.20	54.0
37505-PM140-XXXWXR01	140	55.2	58.8	60.20	62.0
37505-PM150-XXXWXR01	150	59.2	62.8	64.20	66.0
37505-PM200-090WXR01	200	79.2	82.8	84.20	86.0



Stack height	Plug	Socket
(H)	H1	H2
7.00	2.0	5.0
8.00	3.0	5.0
9.00	2.0	7.0
10.00	5.0	5.0
	3.0	7.0
11.00	2.0	9.0
12.00	5.0	7.0
	3.0	9.0
	2.0	10.0
13.00	3.0	10.0
	8.0	5.0
14.00	9.0	5.0
	5.0	9.0
15.00	8.0	7.0
	5.0	10.0
16.00	9.0	7.0
17.00	8.0	9.0
	9.0	9.0
18.00	8.0	10.0
19.00	9.0	10.0

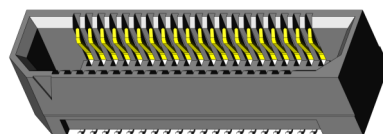


37505 Series

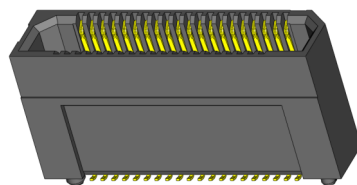
Board to Board, High Speed, 0.80mm(0.032"),Socket

SPECIFICATIONS

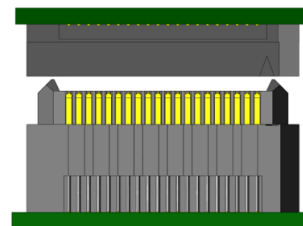
Current Rating: 2.1A Max/Per Pin
Contact Resistance: 30mΩ Max
Insulation Resistance: 20000MΩ Min
Withstand Voltage: 900V AC
Operation Temperature: -55℃ to +125℃
Contact Material: Copper Alloy
Contact plating: Au or Sn Over Ni
Standard: LCP +GF (UL94V-0)
Type:S



37505-SM040-050WXR01



37505-SM040-100WXR01



Assembly

37505 - S M XXX - XXX WX X 01

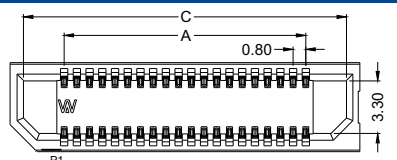
S:Socket Board-Mounting
M:S/T SMT

Positions
10,20,22,26,40,46,
50,60,70,80,98,100,
120,140,150,200

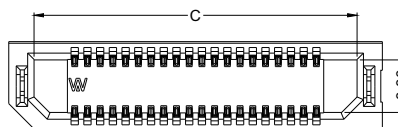
Insulator Height
050=5.335mm 070=7.250mm
090= 9.335mm 100=10.335mm

Contact plating area
W3=10u"Au/Matte Tin
W5=30u"Au/Matte Tin

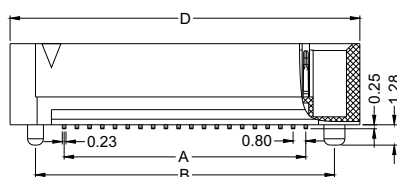
Packaging
R:Tape & Reel



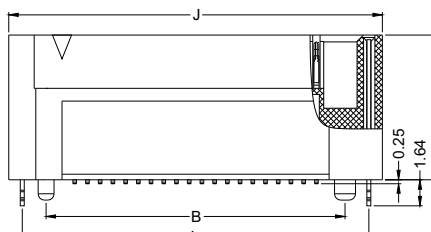
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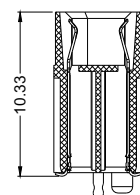
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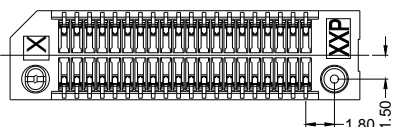
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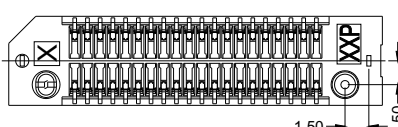
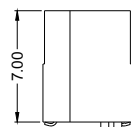
37505-SMXXX-090WXR01



37505-SMXXX-100WXR01

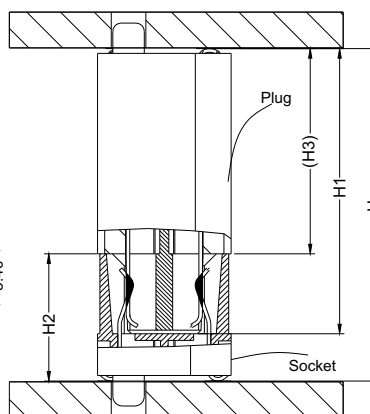
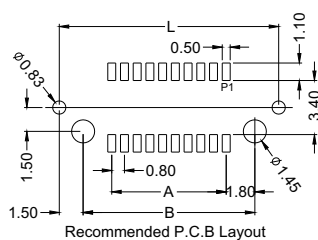


37505-SMXXX-070WXR01



37505-SMXXX-070WXR01

PART NO.	Pos	A	B	C	D	J	L
37505-SM010-XXXWXR01	10	3.2	6.8	8.32	10.0	11.5	9.80
37505-SM020-XXXWXR01	20	7.2	10.8	12.32	14.0	15.5	13.8
37505-SM022-XXXWXR01	22	8.0	11.6	13.12	14.8	16.3	14.6
37505-SM026-XXXWXR01	26	9.6	13.2	14.72	16.4	17.9	16.2
37505-SM040-XXXWXR01	40	15.2	18.8	20.32	22.0	23.5	21.8
37505-SM046-XXXWXR01	46	17.6	21.2	22.72	24.4	25.9	24.2
37505-SM050-XXXWXR01	50	19.2	22.8	24.32	26.0	27.5	25.8
37505-SM060-XXXWXR01	60	23.2	26.8	28.32	30.0	31.5	29.8
37505-SM070-XXXWXR01	70	27.2	30.8	32.32	34.0	35.5	33.8
37505-SM080-XXXWXR01	80	31.2	34.8	36.32	38.0	39.5	37.8
37505-SM098-XXXWXR01	98	38.4	42.0	43.52	45.2	46.7	45.0
37505-SM100-XXXWXR01	100	39.2	42.8	44.32	46.0	47.5	45.8
37505-SM120-XXXWXR01	120	47.2	50.8	52.32	54.0	55.5	53.8
37505-SM140-XXXWXR01	140	55.2	58.8	60.32	62.0	63.5	61.8
37505-SM150-XXXWXR01	150	59.2	62.8	64.32	66.0	67.5	65.8
37505-SM200-050WXR01	200	79.2	82.8	84.32	86.0	87.5	85.8



Stack height	Plug	Socket
(H)	H1	H2
7.00	2.0	5.0
8.00	3.0	5.0
9.00	2.0	7.0
10.00	5.0	5.0
11.00	3.0	7.0
12.00	2.0	9.0
13.00	5.0	7.0
14.00	3.0	10.0
15.00	8.0	5.0
16.00	9.0	5.0
17.00	5.0	9.0
18.00	8.0	7.0
19.00	9.0	7.0
	8.0	9.0
	9.0	9.0
	8.0	10.0
	9.0	10.0

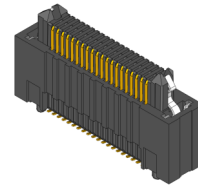


37502 Series

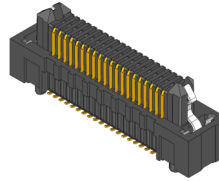
Board to Board, High Speed, 0.80mm(0.032"), Plug

SPECIFICATIONS

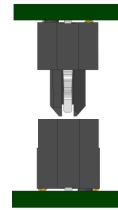
Current Rating: 2.1A Max/Per Pin
Contact Resistance: 30mΩ Max
Insulation Resistance: 20000MΩ Min
Withstand Voltage: 900V AC
Operation Temperature: -55°C to +125°C
Contact Material: Copper Alloy
Contact plating: Au or Sn over Ni
Standard: LCP +GF (UL94V-0)
Type:S



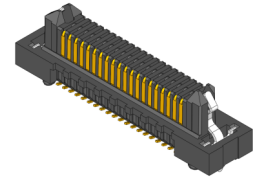
37502-PM040-090WXR01



37502-PM040-050WXR01

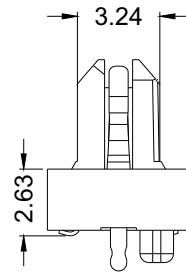
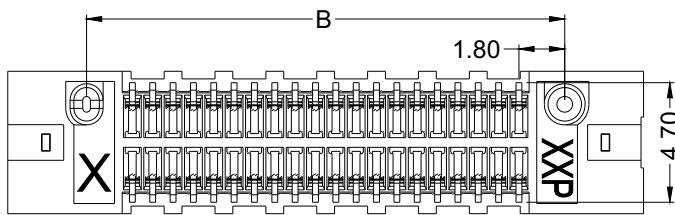
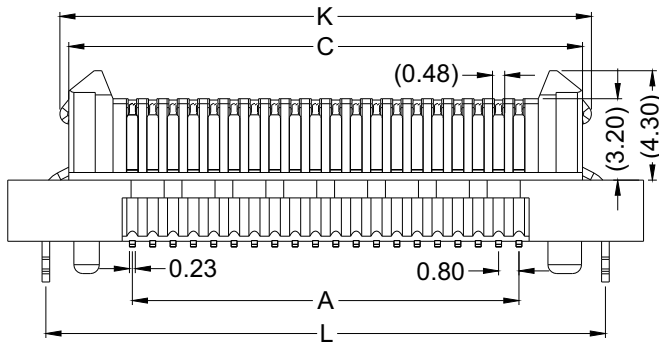
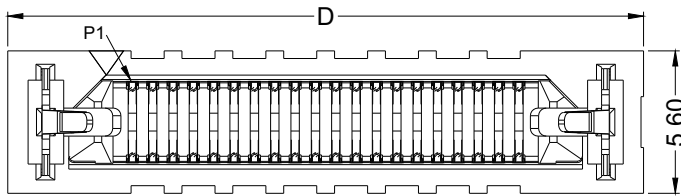


Assembly

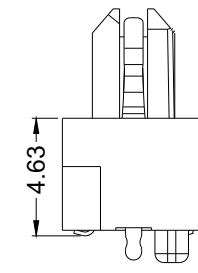


37502-PM040-030WXR01

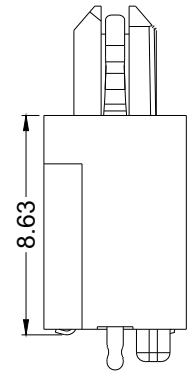
37502 - P	M	XXX	-	XXX	WX	X	01
P: Plug	Board-Mounting M: S/T SMT	Positions 10, 20, 22, 26, 40, 46, 50, 60, 70, 80, 98, 100, 120, 140, 150		Insulator Height 030=3.00mm 050=5.00mm 090=9.00mm	Contact plating area W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	Packaging R: Tape & Reel	Options 01: With Plastic Cap 02: With Polyimide Film Pad



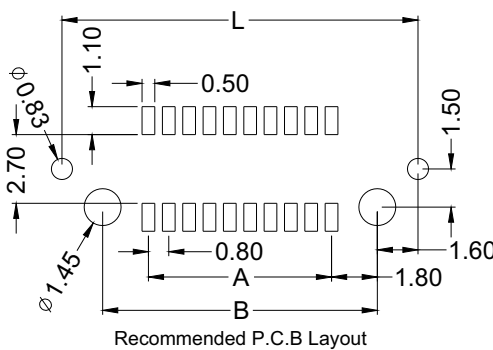
37502-PMXXX-030WXR0X



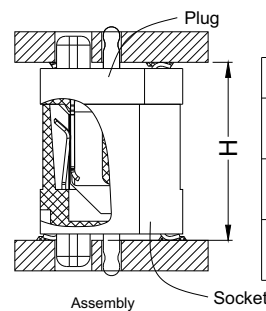
37502-PMXXX-050WXR0X



37502-PMXXX-090WXR0X



Pos	A	B	C	D	K	L
10	3.2	6.8	8.20	13.0	8.9	10.0
20	7.2	10.8	12.20	17.0	12.9	14.0
22	8.0	11.6	13.00	17.8	13.7	14.8
26	9.6	13.2	14.60	19.4	15.3	16.4
40	15.2	18.8	20.20	25.0	20.9	22.0
46	17.6	21.2	22.60	27.4	23.3	24.4
50	19.2	22.8	24.20	29.0	24.9	26.0
60	23.2	26.8	28.20	33.0	28.9	30.0
70	27.2	30.8	32.20	37.0	32.9	34.0
80	31.2	34.8	36.20	41.0	36.9	38.0
98	38.4	42.0	43.40	48.2	44.1	45.2
100	39.2	42.8	44.20	49.0	44.9	46.0
120	47.2	50.8	52.20	57.0	52.9	54.0
140	55.2	58.8	60.20	65.0	60.9	62.0
150	59.2	62.8	64.20	69.0	64.9	66.0



Plug (Height Style)	Socket (Height Style)	Stack Height (H)
3.0	5.0	8.0
	7.0	10.0
	9.0	12.0
5.0	5.0	10.0
	7.0	12.0
	9.0	14.0
9.0	5.0	14.0
	7.0	16.0
	9.0	18.0



37502 Series Board to Board, High Speed, 0.80mm(0.032"),Socket

SPECIFICATIONS

Current Rating: 2.1A Max/Per Pin
Contact Resistance: 30mΩ Max
Insulation Resistance: 20000MΩ Min
Withstand Voltage: 900V AC
Operation Temperature: -55°C to +125°C
Contact Material: Copper Alloy
Contact plating: Au or Sn over Ni
Standard: LCP +GF (UL94V-0)
Type: S

37502-SM040-090WXR01

37502-SM040-070WXR01

37502-SM040-050WXR01

Assembly

37502 - S M XXX - XXX WX X 01

S:Socket Board-Mounting
M:S/T SMT

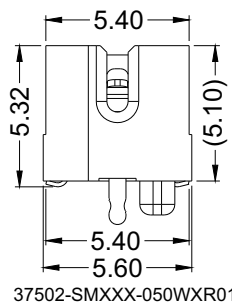
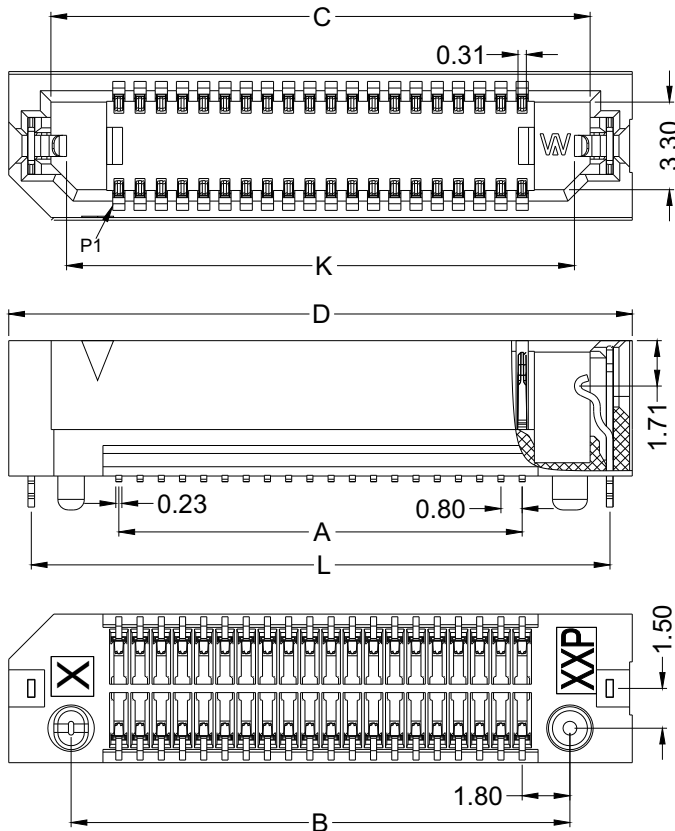
Positions
10,20,22,26,40,46,
50,60,70,80,98,100,
120,140,150

Insulator Height
050=5.00mm
070=7.00mm
090=9.00mm

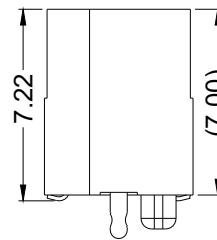
Contact plating area
W3=10u"Au/Matte Tin
W5=30u"Au/Matte Tin

Packaging
R:Tape & Reel

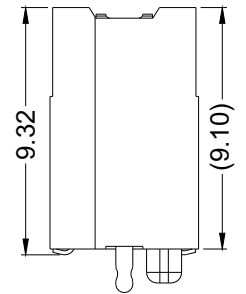
Options



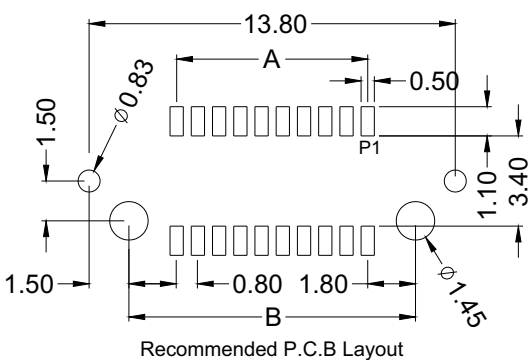
37502-SMXXX-050WXR01



37502-SMXXX-070WXR01

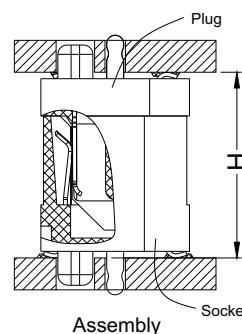


37502-SMXXX-090WXR01



Recommended P.C.B Layout

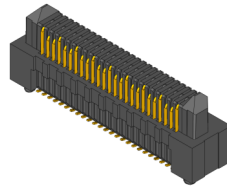
Pos	A	B	C	D	K	L
10	3.2	6.8	8.32	11.5	7.13	9.8
20	7.2	10.8	12.32	15.5	11.13	13.8
22	8.0	11.6	13.12	16.3	11.93	14.6
26	9.6	13.2	14.72	17.9	13.53	16.2
40	15.2	18.8	20.32	23.5	19.13	21.8
46	17.6	21.2	22.72	25.9	21.53	24.2
50	19.2	22.8	24.32	27.5	23.13	25.8
60	23.2	26.8	28.32	31.5	27.13	29.8
70	27.2	30.8	32.32	35.5	31.13	33.8
80	31.2	34.8	36.32	39.5	35.13	37.8
98	38.4	42.0	43.52	46.7	42.33	45.0
100	39.2	42.8	44.32	47.5	43.13	45.8
120	47.2	50.8	52.32	55.5	51.13	53.8
140	55.2	58.8	60.32	63.5	59.13	61.8
150	59.2	62.8	64.32	67.5	63.13	65.8



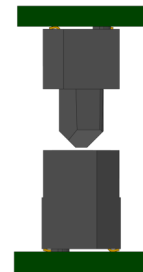
Plug (Height Style)	Socket (Height Style)	Stack Height (H)
3.0	5.0	8.0
	7.0	10.0
	9.0	12.0
5.0	5.0	10.0
	7.0	12.0
	9.0	14.0
9.0	5.0	14.0
	7.0	16.0
	9.0	18.0

SPECIFICATIONS

Current Rating: 2.1A Max/Per Pin
 Contact Resistance: 30mΩ Max
 Insulation Resistance: 20000MΩ Min
 Withstand Voltage: 900V AC
 Operation Temperature: -55°C to +125°C
 Contact Material: Copper Alloy
 Contact plating: Au or Sn over Ni
 Standard: LCP +GF (UL94V-0)
 Type: S

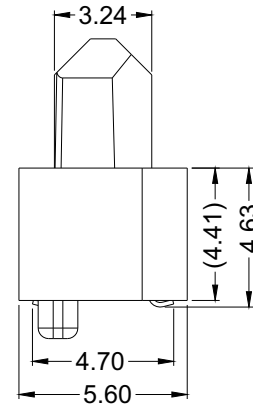
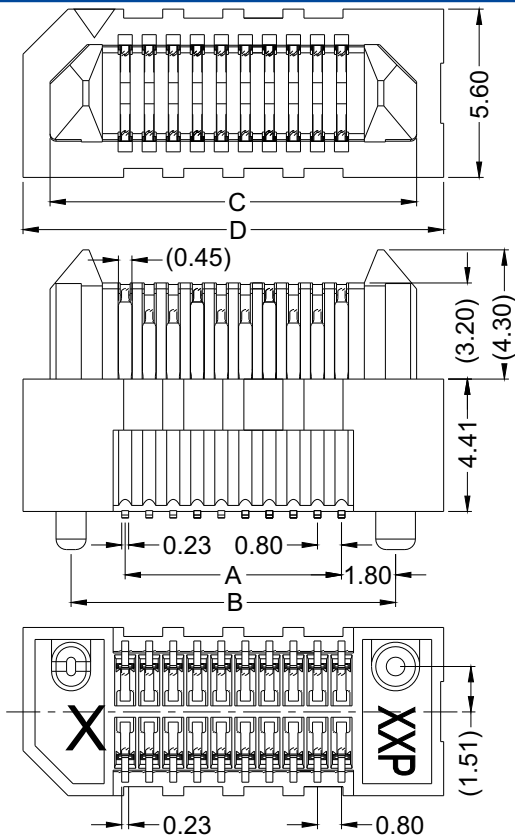


37503-PM040-050WXR01

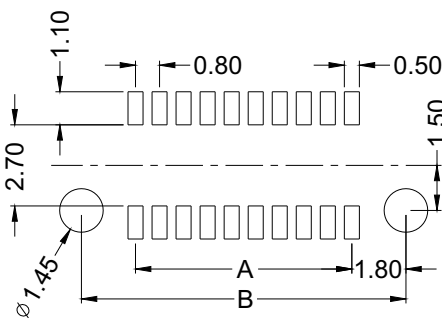


Assembly

37503 -	P	M	XXX	-	XXX	WX	X	01
	P: Plug	Board-Mounting M: S/T SMT	Positions 20, 26, 50, 98		Insulator Height 050=5.00mm	Contact plating area W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	Packaging R: Tape & Reel	Options 01: With Plastic Cap 02: With Polyimide Film Pad

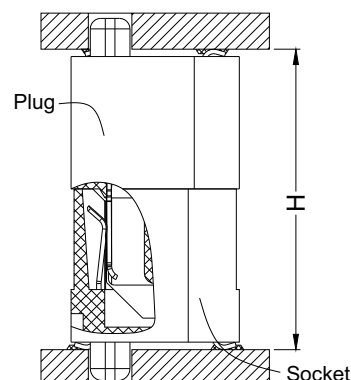


37503-PMXXX-050WXR0X



Recommended P.C.B Layout

Pos	A	B	C	D
20	7.2	10.8	12.20	14.0
26	9.6	13.2	14.60	16.4
50	19.2	22.8	24.20	26.0
98	38.4	42.0	43.40	45.2



ENGAGEMENT FIGURE

Plug (Hieght style)	Socket (Hieght style)	StackHeight (H)
5.0	5.0	10.0
	7.0	12.0
	9.0	14.0
	10.0	15.0

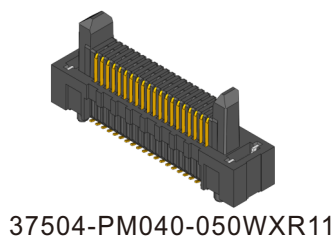


37504 Series

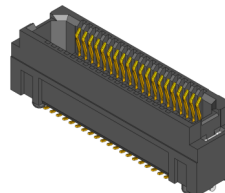
Board to Board, High Speed, 0.80mm(0.032"), Plug & Socket

SPECIFICATIONS

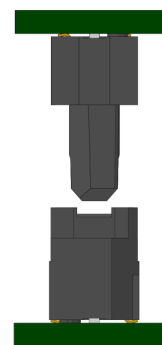
Current Rating: 2.1A Max/Per Pin
Contact Resistance: 30mΩ Max
Insulation Resistance: 20000MΩ Min
Withstand Voltage: 900V AC
Operation Temperature: -55°C to +125°C
Contact Material: Copper Alloy
Contact plating: Au or Sn over Ni
Standard: LCP +GF (UL94V-0)
Type: S



37504-PM040-050WXR11



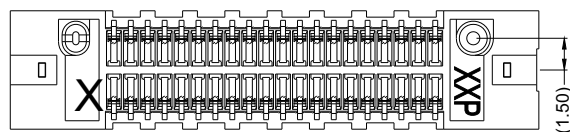
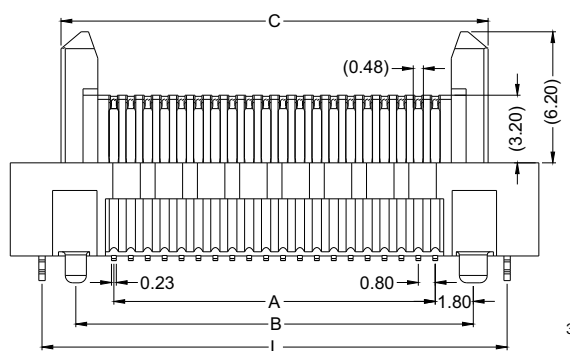
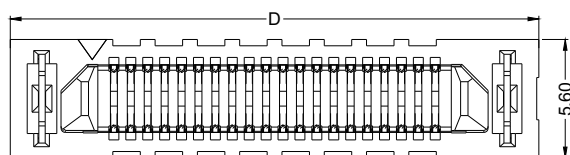
37504-SM040-070WXR01



Assembly

37504 - P	M	XXX	-	XXX	WX	X	Q	1
P: Plug S: Socket	Board-Mounting M: S/T SMT	Positions 10, 20, 22, 26, 40, 46, 50, 60, 70, 80, 98, 100, 120, 140, 150		Insulator Height 050=5.00mm 070=7.00mm	Contact plating area W3=10u"Au/Matte Tin W5=30u"Au/Matte Tin	Packaging R: Tape & Reel	0=W/O LOGO 1=W/ LOGO	Options 1: With Plastic Cap 2: With Polyimide Film Pad

37504-PM040-050WXR11



37504-SM040-070WXR01

