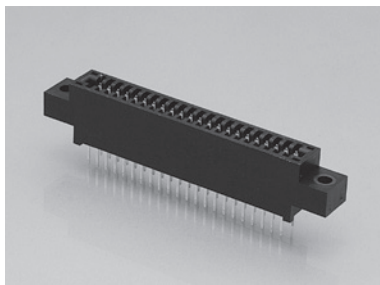


4640 SERIES 2.54mm CARD EDGE CONNECTOR

RoHS Compliant



ORDER CODE

4640- **-** **-F**

① ② ③ ④

*Please order in multiples of the quantity per package.

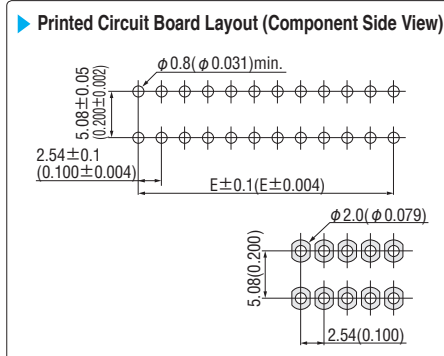
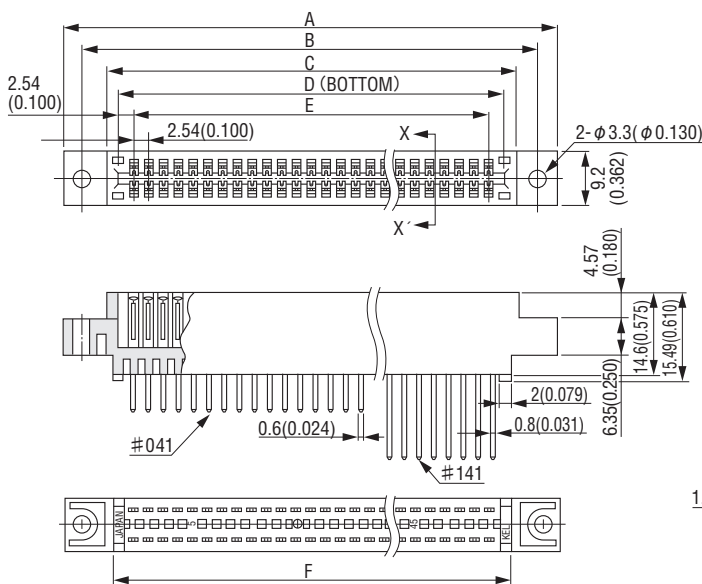
- ① **[Type]** 4640
- ② **[No. of contacts]** 044 : 44pin 048 : 48pin 056 : 56pin 060 : 60pin 062 : 62pin
072 : 72pin 086 : 86pin 088 : 88pin 100 : 100pin
- ③ **[Contact name]** 041 : DIP solder 141 : Wire wrap
- ④ **[RoHS]** F : RoHS compliant

SPECIFICATIONS

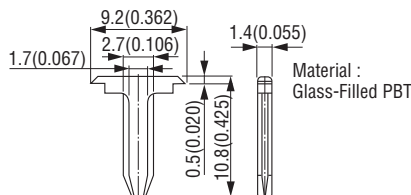
Material and plating		Electrical Characteristics	
Insulator material	Glass-Filled PBT (UL94V-0)	Current rating	3A per contact
Contact material	Copper Alloy	Contact resistance	16mΩ max.
Contact plating	(Contact area)Gold over Nickel (Terminal area)Tin copper over Nickel	Dielectric withstanding voltage	800V AC for 1minute
		Insulation resistance	5,000MΩ min. at 500V DC
Recommended PCB thickness	t=1.6(0.063)	Insertion force	4.04N max./pair
		Withdrawal force	0.314N min./pair
		Operating temperature	-55°C to +85°C

4640-□□□-□□□-**F**

Unit : mm (inch)



Positioning Post: KEY-21

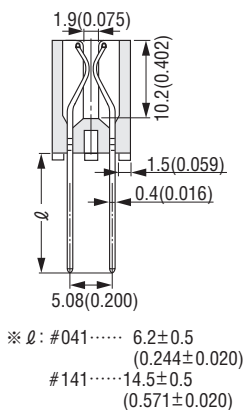


Material :
Glass-Filled PBT

Packaging style

Other

X-X' Cross Section

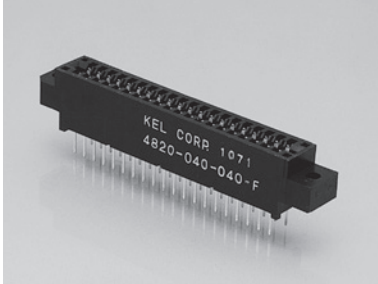


Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F	Number of packaging
44	4640-044-041-F	77.09 (3.035)	70.49 (2.775)	62.48 (2.460)	58.42 (2.300)	53.34 (2.100)	59.69 (2.350)	150
	4640-044-141-F							100
48	4640-048-041-F	82.17 (3.235)	75.57 (2.975)	67.56 (2.660)	63.50 (2.500)	58.42 (2.300)	64.77 (2.550)	130
	4640-048-141-F							85
56	4640-056-041-F	92.33 (3.635)	85.73 (3.375)	77.72 (3.060)	73.66 (2.900)	68.58 (2.700)	74.93 (2.950)	120
	4640-056-141-F							80
60	4640-060-041-F	97.41 (3.835)	90.81 (3.575)	82.80 (3.260)	78.74 (3.100)	73.66 (2.900)	80.01 (3.150)	110
	4640-060-141-F							78
62	4640-062-041-F	99.95 (3.935)	93.35 (3.675)	85.34 (3.360)	81.28 (3.200)	76.20 (3.000)	82.55 (3.250)	110
	4640-062-141-F							75
72	4640-072-041-F	112.65 (4.435)	106.05 (4.175)	98.04 (3.860)	93.98 (3.700)	88.90 (3.500)	95.25 (3.750)	100
	4640-072-141-F							70
86	4640-086-041-F	130.43 (5.135)	123.83 (4.875)	115.82 (4.560)	111.76 (4.400)	106.68 (4.200)	113.03 (4.450)	85
	4640-086-141-F							55
88	4640-088-041-F	132.97 (5.235)	126.37 (4.975)	118.36 (4.660)	114.30 (4.500)	109.22 (4.300)	115.57 (4.550)	85
	4640-088-141-F							50
100	4640-100-041-F	148.21 (5.835)	141.61 (5.575)	133.60 (5.260)	129.54 (5.100)	124.46 (4.900)	130.81 (5.150)	75
	4640-100-141-F							50

4820 SERIES 3.18(3.175)mm PITCH CARD EDGE CONNECTOR

RoHS
Compliant



ORDER CODE

4820- - - - -F

① ② ③ ④

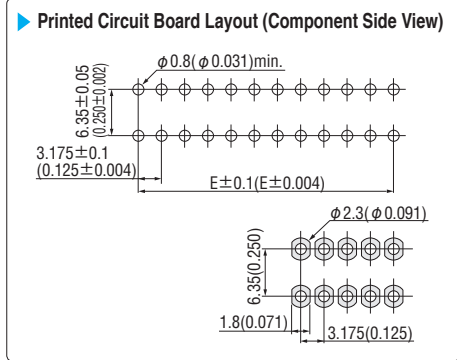
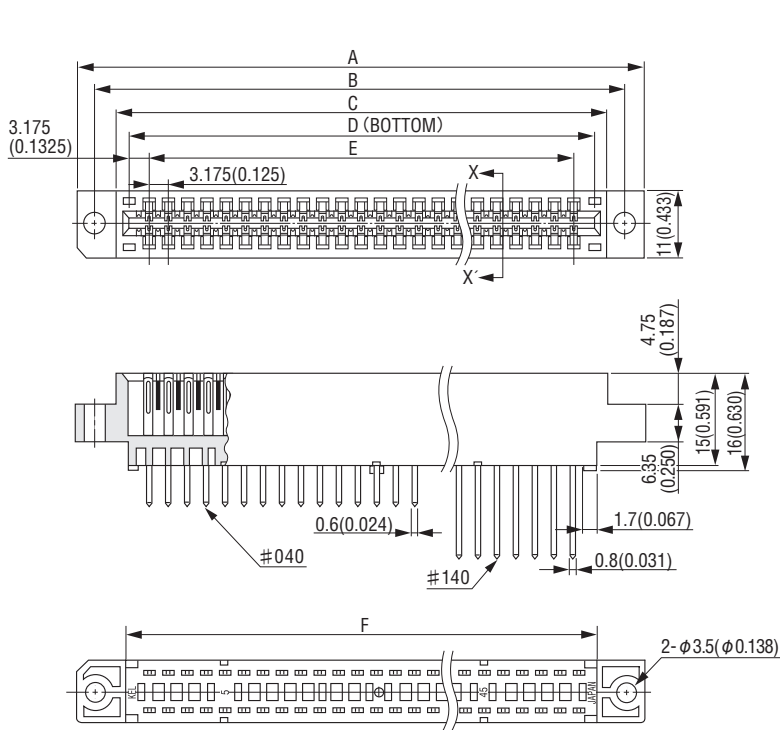
*Please order in multiples of the quantity per package.

- ① **[Type]** 4820
- ② **[No. of contacts]** 040 : 40pin 060 : 60pin 080 : 80pin 100 : 100pin
- ③ **[Contact name]** 040 : DIP solder 140 : Wire wrap
- ④ **[RoHS]** F : RoHS compliant

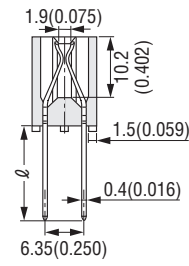
SPECIFICATIONS

Material and plating		Electrical Characteristics	
Insulator material	Glass-Filled PBT (UL94V-0)	Current rating	3A per contact
Contact material	Copper Alloy	Contact resistance	16mΩ max.
Contact plating	(Contact area)Gold over Nickel (Terminal area)Tin copper over Nickel	Dielectric withstanding voltage	1600V AC for 1minute
		Insulation resistance	5,000MΩ min. at 500V DC
Recommended PCB thickness	t=1.6(0.063)	Insertion force	4.04N max./pair
		Withdrawal force	0.314N min./pair
		Operating temperature	-55°C to +85°C

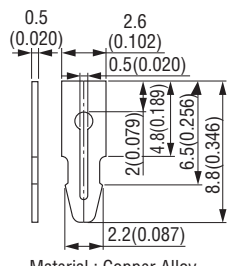
4820- - - -F Unit : mm(inch)



X-X' Cross Section



Positioning Post:KEY-20A



※ ϕ : #040..... 7.0±0.5
(0.276±0.020)
#140.....16.0±0.5
(0.630±0.020)

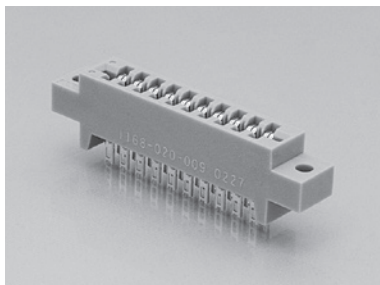
Packaging style
Other

Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F	Number of packaging
40	4820-040-040-F	83.84	77.34	70.61	66.68	60.325	66.68	100
	140-F	(3.301)	(3.045)	(2.780)	(2.625)	(2.375)	(2.625)	70
60	4820-060-040-F	115.59	109.09	102.36	98.43	92.075	98.43	80
	140-F	(4.551)	(4.295)	(4.030)	(3.875)	(3.625)	(3.875)	50
80	4820-080-040-F	147.34	140.84	134.11	130.18	123.825	130.18	65
	140-F	(5.801)	(5.545)	(5.280)	(5.125)	(4.875)	(5.125)	40
100	4820-100-040-F	179.09	172.59	165.86	161.93	155.575	161.93	40
	140-F	(7.051)	(6.795)	(6.530)	(6.375)	(6.125)	(6.375)	25

1168 SERIES 3.97mm PITCH CARD EDGE CONNECTOR

RoHS Compliant



ORDER CODE

1168- -

① ② ③

*Please order in multiples of the quantity per package.

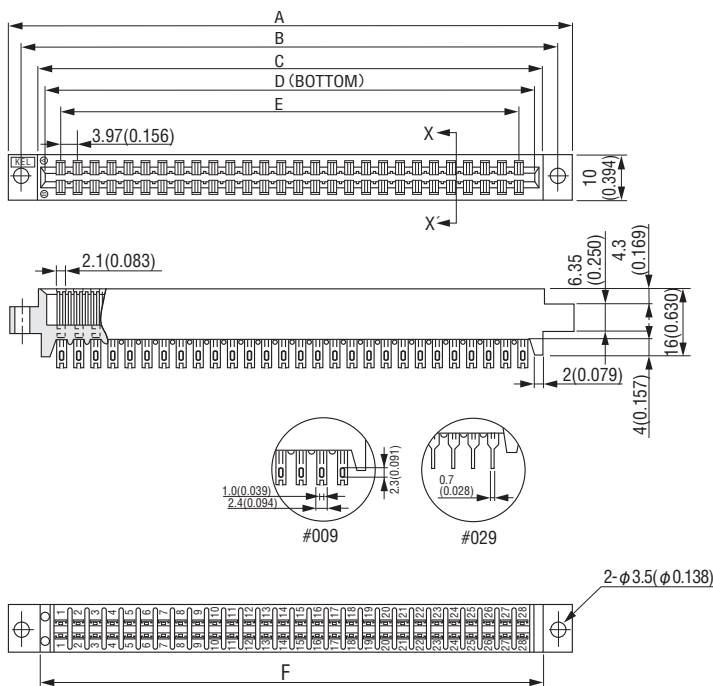
- ① **[Type]** 1168
- ② **[No. of contacts]** 020 : 20pin 028 : 28pin 030 : 30pin 036 : 36pin 044 : 44pin 056 : 56pin
- ③ **[Contact name]** 009 : Solder eyelet 029 : DIP solder

SPECIFICATIONS

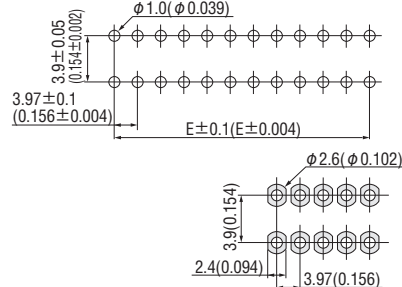
Material and plating		Electrical Characteristics	
Insulator material	Glass-Filled Polycarbonate (UL94V-0)	Current rating	2A per contact
Contact material	Copper alloy	Contact resistance	15mΩ max.
Contact plating	Gold over Nickel	Dielectric withstanding voltage	1500V AC for 1minute
Recommended PCB thickness	t=1.6(0.063)	Insulation resistance	5,000MΩ min. at 500V DC
		Insertion force	4.9N max./pair
		Withdrawal force	0.59N min./pair
		Operating temperature	-30°C to +85°C

1168-□□□-□□□

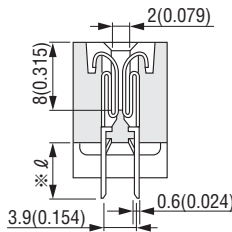
Unit : mm (inch)



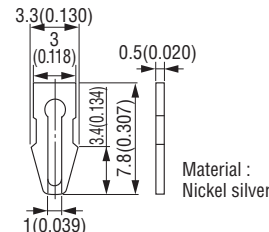
Printed Circuit Board Layout (Component Side View)



X-X' Cross Section



Positioning Post: KEY-18



Material : Nickel silver

※ φ : #009.....6.5±0.5
(0.256±0.020)
#029.....7.1±0.5
(0.280±0.020)

Packaging style

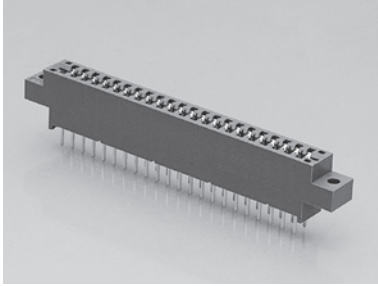
Other

Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F	Number of packaging
20	1168-020-009	61.02	54.67	46.93	43.70	35.73	45.93	210
	029	(2.402)	(2.152)	(1.848)	(1.720)	(1.407)	(1.808)	180
28	1168-028-009	76.90	70.55	62.81	59.58	51.61	61.81	170
	029	(3.028)	(2.778)	(2.473)	(2.346)	(2.032)	(2.433)	140
30	1168-030-009	80.87	74.52	66.78	63.55	55.58	65.78	130
	029	(3.184)	(2.934)	(2.629)	(2.502)	(2.188)	(2.590)	130
36	1168-036-009	92.78	86.43	78.69	75.46	67.49	77.69	120
	029	(3.653)	(3.403)	(3.098)	(2.971)	(2.657)	(3.059)	100
44	1168-044-009	108.66	102.31	94.57	91.34	83.37	93.57	100
	029	(4.278)	(4.028)	(3.723)	(3.596)	(3.282)	(3.684)	90
56	1168-056-009	132.48	126.13	118.39	115.16	107.19	117.39	70
	029	(5.216)	(4.966)	(4.661)	(4.534)	(4.220)	(4.622)	70

1258N SERIES 3.96mm PITCH CARD EDGE CONNECTOR

RoHS Compliant



ORDER CODE

1258N-

①

②

③

*Please order in multiples of the quantity per package.

① **[Type]** 1258N

② **[No. of contacts]** 044 : 44pin 056 : 56pin 060 : 60pin 072 : 72pin 086 : 86pin 088 : 88pin

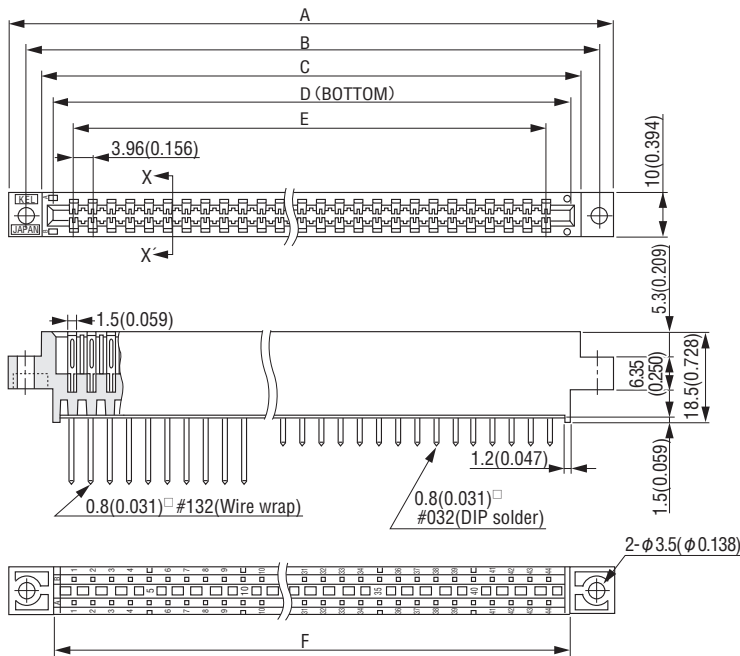
③ **[Contact name]** 032 : DIP solder 132 : Wire wrap

SPECIFICATIONS

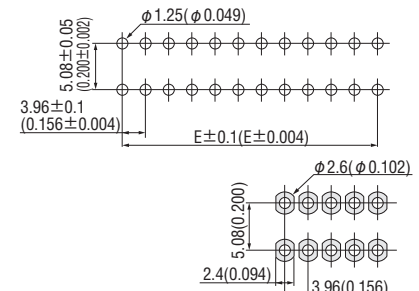
Material and plating		Electrical Characteristics	
Insulator material	Glass-Filled PBT (UL94V-0)	Current rating	3A per contact
Contact material	Copper Alloy	Contact resistance	10mΩ max.
Contact plating	Gold over Nickel	Dielectric withstanding voltage	1600V AC for 1minute
Recommended PCB thickness	t=1.6(0.063)	Insulation resistance	5,000MΩ min. at 500V DC
		Insertion force	4.9N max./pair
		Withdrawal force	0.274N min./pair
		Operating temperature	-55°C to +85°C

1258N-□□□-□□□

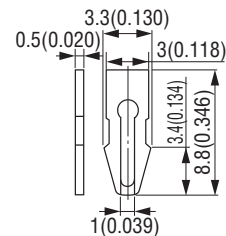
Unit : mm(inch)



Printed Circuit Board Layout (Component Side View)



Positioning Post: KEY-21



Material : Nickel silver

Packaging style

Other

Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F	Number of packaging
44	1258N-044-032	108.66	102.31	94.57	91.34	83.16	89.72	90
	132	(4.278)	(4.028)	(3.723)	(3.596)	(3.274)	(3.532)	60
56	1258N-056-032	132.48	126.13	118.39	115.16	106.92	113.54	75
	132	(5.216)	(4.966)	(4.661)	(4.534)	(4.209)	(4.470)	50
60	1258N-060-032	140.20	133.80	127.00	123.05	114.84	127.00	75
	132	(5.520)	(5.268)	(5.000)	(4.844)	(4.521)	(5.000)	50
72	1258N-072-032	164.24	157.89	150.15	146.92	138.60	145.30	45
	132	(6.466)	(6.216)	(5.911)	(5.784)	(5.457)	(5.720)	30
86	1258N-086-032	191.90	185.50	177.81	174.50	166.32	172.96	45
	132	(7.555)	(7.303)	(7.000)	(6.870)	(6.548)	(6.809)	30
88	1258N-088-032	196.00	189.65	181.91	178.68	170.28	177.06	45
	132	(7.717)	(7.467)	(7.162)	(7.035)	(6.704)	(6.971)	30

X-X' Cross Section

