

Contact Detail:
520-P.C. Tail .025x.024(0.64x0.61) - Tail LG.=.215(5.46)

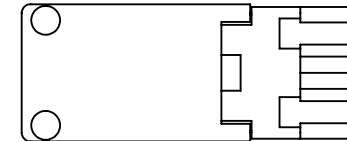
THIS IS A C.A.D. GENERATED DRAWING
 DO NOT MAKE MANUAL REVISIONS TO MASTER.



ISSUE NUMBER

ORIGINAL

0



Features

- UL Recognized
- .150 (3.81) Contact Spacing x .130 (3.30) or .150 (3.81) Row Spacing with Staggered Grid
- Plug and Receptacle in 20, 38, 56, 90 or 120 Contact Sizes
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options Include: Crimp, P.C. Tail, Wire Hole and Wire Wrap
- Mating and Unmating Simplified with use of Actuating Screws
- Optional Covers with Side or Top Entry Cable Clamp in Plastic or Metal Material Available for All Connector Sizes
- Versatile Metal Cover Design Permits Assembly and Disassembly after Cabling is Complete plus Cable Entry Style Flexibility
- Actuating Screws, Locknuts, Polarizing Hardware, Covers and Contacts Suitable for either Plug or Receptacle
- Polarizing Hardware Adjustable for 288 Mating Combinations
- Tools Available for Contact Installation, Removal and Crimping and Polarizing Changes

Specifications

- Insulator Material: Diallyl Phthalate or Thermo plastic Polyester, UL94V-0, Colour: Green, or Polycarbonate, Colour: Grey
- Contact Material: Phosphor Bronze Alloy CA-510
- Contact Plating: Gold over Nickel for Entire Contact
- Cover Material: Polycarbonate, Colour: Green, or Die-Cast Zinc, Finished with Grey Enamel Paint
- Current Rating: 8.5 Amperes
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 2000 V AC rms at Sea Level
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -65 to +125 Degrees C
- Insertion and Withdrawal Force: 2 to 16 oz (0.56 to 4.45 N) per Contact Position

See Accompanying Pages for:
 - PC Tail Layout
 - Cutout Panel Details
 - Cover Details

516 Assembly

Part Number: 516-020-520-116



EDAC INC
 TORONTO, ONTARIO
 CANADA

YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS
 ARE THE PROPERTY OF EDAC INC. AND
 SHALL NOT BE REPRODUCED, OR COPIED
 OR USED AS THE BASIS FOR THE
 MANUFACTURE OR SALE OF APPARATUS
 WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO. 516 Assembly

DRAWN: J.LEE DATE: JUNE 18, 2009

CHECKED: DATE:

SCALE: 1:1 SHEET 1 OF 4

DRAWING NUMBER ISSUE

516 Assembly

1

THIS IS A C.A.D. GENERATED DRAWING
DO NOT MAKE MANUAL REVISIONS TO MASTER



ISSUE NUMBER

ORIGINAL

0



20 Pin
P.C. Tail Layout



38 Pin
P.C. Tail Layout



56 Pin
P.C. Tail Layout



90 Pin
P.C. Tail Layout



120 Pin
P.C. Tail Layout

516 Assembly
P.C. Tail Layout Details



YOUR CONNECTION TO QUALITY & SERVICE

EDAC INC
TORONTO, ONTARIO
CANADA

THESE DRAWINGS AND SPECIFICATIONS
ARE THE PROPERTY OF EDAC INC. AND
SHALL NOT BE REPRODUCED, OR COPIED
OR USED AS THE BASIS FOR THE
MANUFACTURE OR SALE OF APPARATUS
WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO. 516 Assembly

DRAWN: J.LEE DATE: JUNE 18, 2009

CHECKED: DATE:

SCALE: 1:1 SHEET 2 OF 4

DRAWING NUMBER

516 Assembly

ISSUE

1



(4)
"A" Dia. Hole



"G" Max.
End Cut-Outs Optional
Provide Access to
Polarizing Hardware

	Dimension A	Dimension B	Dimension C	Dimension D	Dimension E	Dimension F	Dimension G
20 Pin	0.104 [2.64]	0.640 [16.26]	0.410 [10.41]	0.960 [24.38]	1.126 [28.60]	1.270 [32.26]	R0.130 [R3.30]
38 Pin	0.136 [3.45]	0.816 [20.73]	0.468 [11.89]	1.420 [36.07]	1.688 [42.88]	1.958 [49.73]	R0.130 [R3.30]
56 Pin	0.136 [3.45]	0.816 [20.73]	0.468 [11.89]	1.940 [49.28]	2.280 [57.91]	2.550 [64.77]	R0.130 [R3.30]
90 Pin	0.136 [3.45]	1.120 [28.45]	0.765 [19.43]	2.050 [52.07]	2.282 [57.96]	2.675 [67.95]	R0.130 [R3.30]
120 Pin	0.136 [3.45]	1.420 [36.07]	0.875 [22.23]	2.050 [52.07]	2.375 [60.33]	2.675 [67.95]	R0.130 [R3.30]

516 Assembly
Cut-Out Panel Detail



EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS
ARE THE PROPERTY OF EDAC INC. AND
SHALL NOT BE REPRODUCED, OR COPIED
OR USED AS THE BASIS FOR THE
MANUFACTURE OR SALE OF APPARATUS
WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO. 516 Assembly

DRAWN: J.LEE

DATE: JUNE 18, 2009

CHECKED:

DATE:

SCALE:

SHEET 3 OF 4

DRAWING NUMBER
516 Assembly

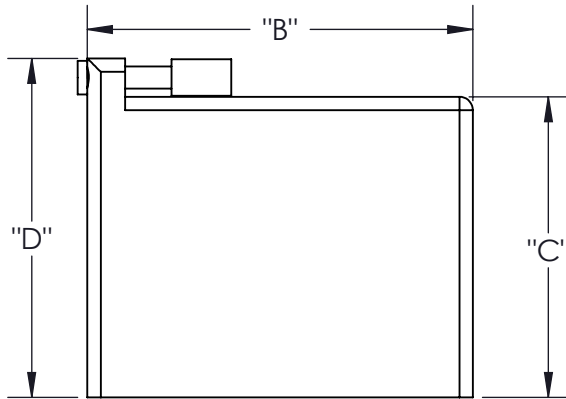
ISSUE
1

THIS IS A C.A.D. GENERATED DRAWING
DO NOT MAKE MANUAL REVISIONS TO MASTER.

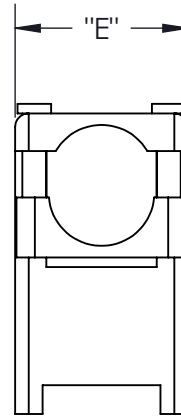


ISSUE NUMBER

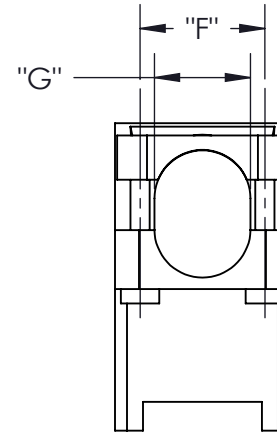
ORIGINAL



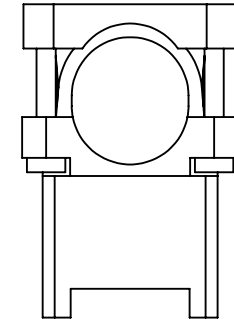
Top Entry



Side Entry



Standard Clamp



Large Clamp

Cover for Connector	Cover Material	Clamp Size	"A"	"B"	"C"	"D"	"E"	"F"	"G"
20 Pin	Plastic	Standard	1.605 (40.77)	1.325 (33.66)	0.906 (23.01)	1.190 (30.23)	0.715 (18.16)	0.450 (11.43)	0.450 (11.43)
20 Pin	Metal	Standard	1.539 (39.09)	1.325 (33.66)	0.906 (23.01)	1.120 (28.45)	0.686 (17.42)	0.446 (11.33)	0.490 (12.45)
38 Pin	Plastic	Standard	2.460 (62.48)	2.010 (51.05)	1.530 (38.86)	1.985 (50.42)	0.910 (23.11)	0.650 (16.51)	0.500 (12.70)
38 Pin	Plastic	Large	2.460 (62.48)	2.010 (51.05)	1.530 (38.86)	1.985 (50.42)	1.110 (28.19)	0.650 (16.51)	0.608 (15.44)
38 Pin	Metal	Standard	2.206 (56.03)	2.006 (50.95)	1.566 (39.78)	1.766 (44.86)	0.875 (22.23)	0.720 (18.29)	0.575 (14.61)
56 Pin	Plastic	Standard	2.602 (66.09)	2.602 (66.09)	1.530 (38.86)	1.985 (50.42)	0.910 (23.11)	0.650 (16.51)	0.500 (12.70)
56 Pin	Plastic	Large	2.602 (66.09)	2.602 (66.09)	1.530 (38.86)	1.985 (50.42)	1.110 (28.19)	0.650 (16.51)	0.608 (15.44)
56 Pin	Metal	Standard	2.602 (66.09)	2.602 (66.09)	1.566 (39.78)	1.766 (44.86)	0.875 (22.23)	0.720 (18.29)	0.575 (14.61)
90 Pin	Plastic	Standard	2.718 (69.04)	2.718 (69.04)	1.775 (45.09)	2.181 (55.40)	1.250 (31.75)	0.800 (20.32)	0.800 (20.32)
90 Pin	Metal	Standard	2.718 (69.04)	2.718 (69.04)	1.775 (45.09)	2.175 (55.25)	1.234 (31.34)	0.880 (22.35)	0.900 (22.86)
120 Pin	Plastic	Standard	2.750 (69.85)	2.750 (69.85)	2.020 (51.31)	2.426 (61.62)	1.530 (38.86)	0.800 (20.32)	1.080 (27.43)
120 Pin	Metal	Standard	2.750 (69.85)	2.750 (69.85)	2.020 (51.31)	2.445 (62.10)	1.531 (38.89)	0.890 (22.61)	1.080 (27.43)

516 Assembly Cut-Out Panel Detail



EDAC INC
TORONTO, ONTARIO
CANADA
YOUR CONNECTION TO QUALITY & SERVICE

THESE DRAWINGS AND SPECIFICATIONS
ARE THE PROPERTY OF EDAC INC. AND
SHALL NOT BE REPRODUCED, OR COPIED
OR USED AS THE BASIS FOR THE
MANUFACTURE OR SALE OF APPARATUS
WITHOUT WRITTEN PERMISSION.

ACAD REFERENCE NO. 516 Assembly

DRAWN: J.LEE DATE: JUNE 18, 2009

CHECKED: DATE:

SCALE: SHEET 4 OF 4

DRAWING NUMBER ISSUE

516 Assembly

1

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9