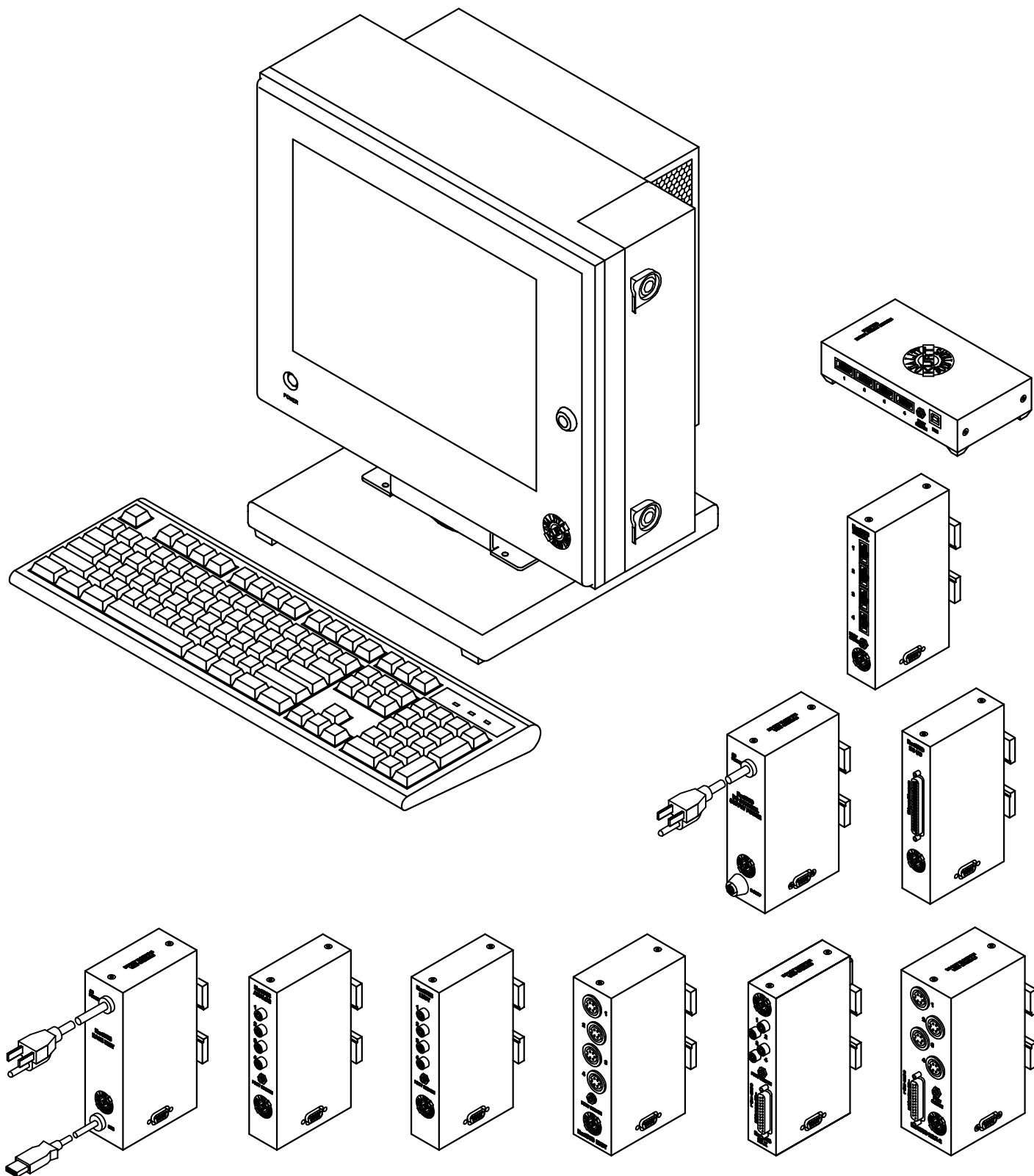


Kurt ICS Industrial Computer and USB Modules

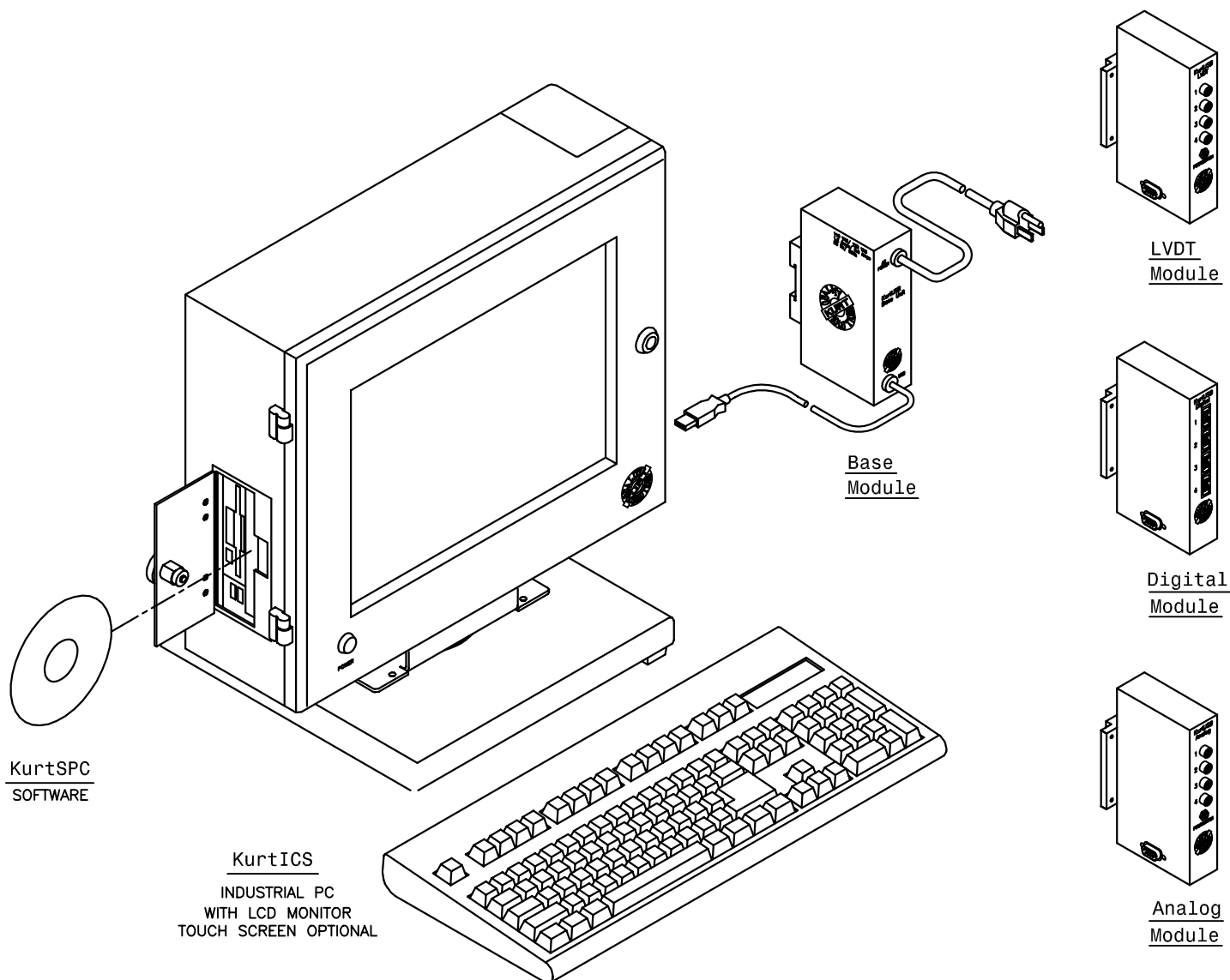


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KurtICS Computer System Mounting Options _____	6
The Kurt Family of Products _____	7
KurtICS Computer Cooling Options & Kurt USB System Solution ____	8
Kurt USB System Options _____	9
USB Module Stacking _____	10



Kurt Hardware and Software Solution Package



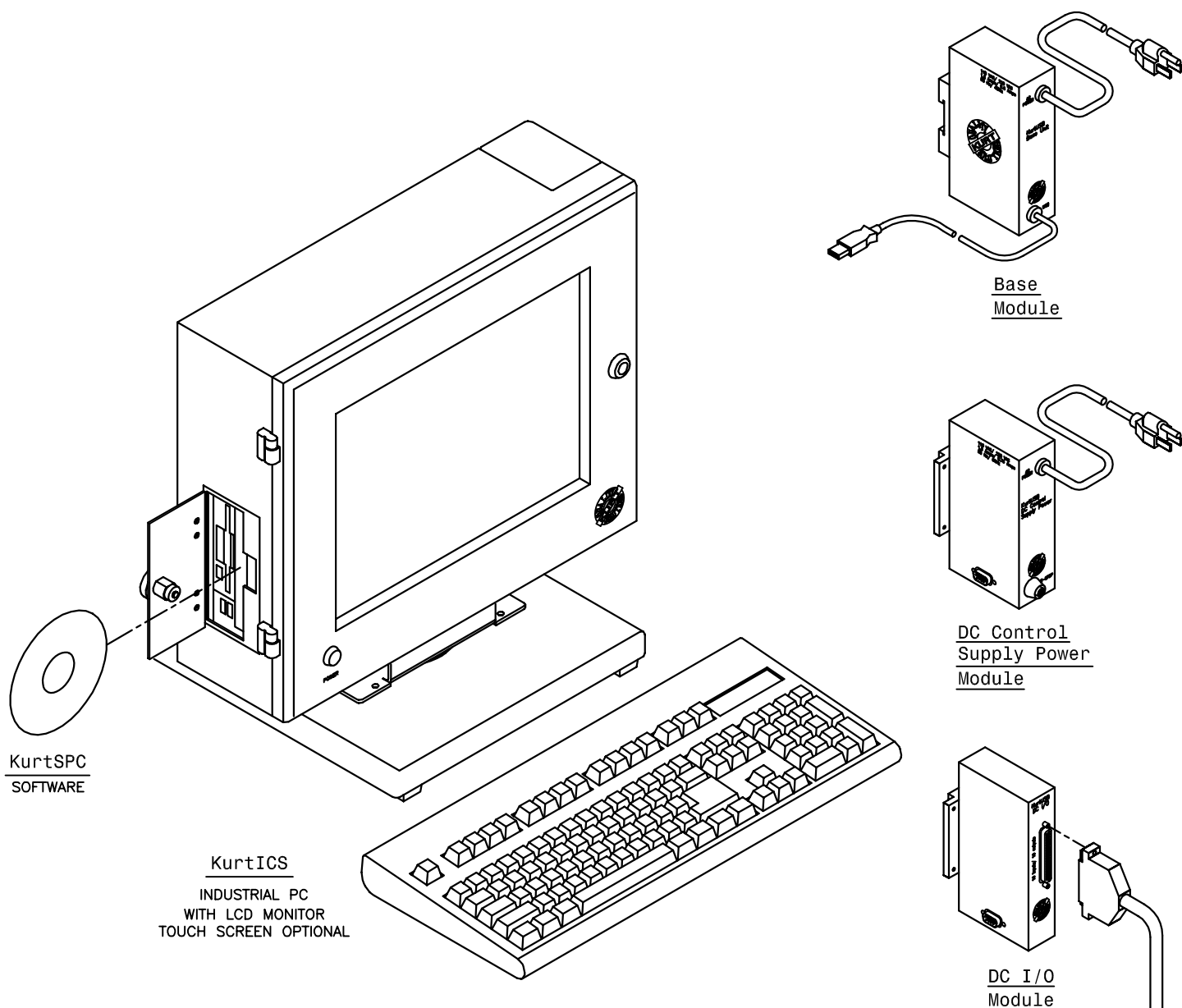
Complete System for SPC/Gage Interface Package Price \$6,999.00

INCLUDES:

- (1) KurtICS INDUSTRIAL COMPUTER
- (1) KurtUSB BASE MODULE
- (1) KurtUSB GAGE INTERFACE MODULE
(Specify One LVDT, DIGITAL or ANALOG MODULE)
- (1) KurtSPC PREMIUM SOFTWARE LICENSE



Kurt Hardware and Software Solution Package



Complete System for I/O and Machine Control Package Price \$7,616.00

INCLUDES:

- (1) KurtICS INDUSTRIAL COMPUTER
- (1) KurtUSB BASE MODULE
- (1) KurtUSB DC POWER CONTROL MODULE
- (1) KurtUSB DC I/O MODULE (16 Input/16 Output)
- (1) KurtSPC I/O DISTRIBUTION UNIT
- (1) KurtSPC PREMIUM SOFTWARE LICENSE



KurtICS Computer Standard Features

XX

REFERENCE NUMBER
FOR PRICE SHEET
(CALL FOR QUOTES)

07

08

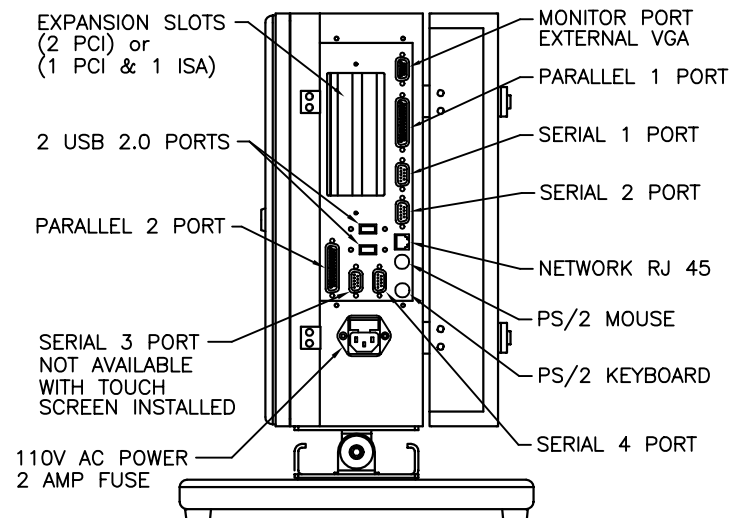
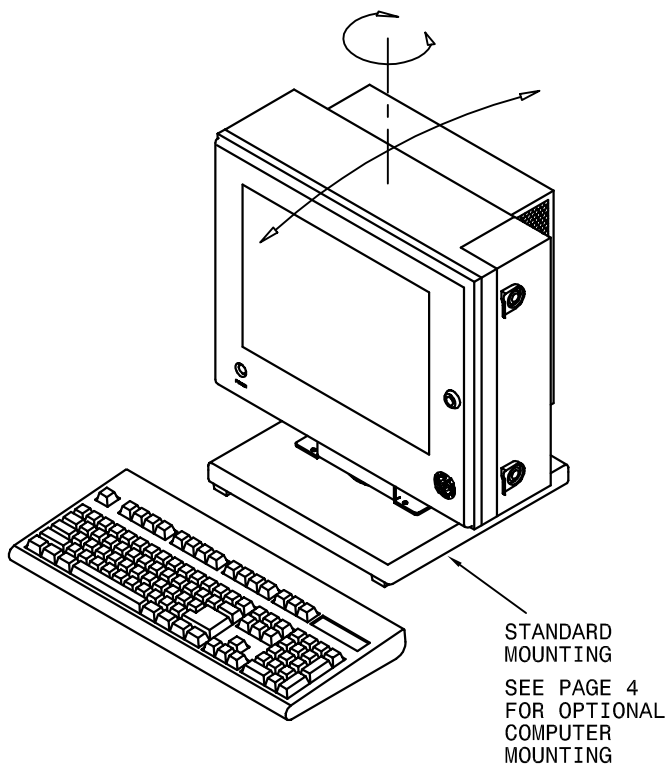
CONNECTOR
ACCESS PANEL
VIEW (PAGE 4)

01

KURT
INDUSTRIAL PC
WITH LCD MONITOR

1.2 GHz INTEL PENTIUM PROCESSOR
512 MB RAM (1 GHz Max.)
60 GB HARD DRIVE
CD R/W ROM DRIVE
3.5" FLOPPY DRIVE (1.44 MB)
200 Watt POWER SUPPLY
ONBOARD (1) ETHERNET PORT
ONBOARD (2) PARALLEL PORTS
ONBOARD (4) SERIAL PORTS
ONBOARD (2) USB 2.0 PORTS
ENCLOSURE (14"H x 16-3/4"W x 5-1/2"D)
SWIVEL BASE (3-3/16" TALL)
DISPLAY - (15.1" TFF LCD)

NOTE: CONSULT FACTORY FOR LATEST SPECIFICATIONS.
STANDARD FEATURES WILL CHANGE WITHOUT NOTICE.



CONNECTOR
ACCESS PANEL VIEW
ALL PORTS PROTECTED WITH GASKETED COVER



KURT MANUFACTURING CO., ELECTRONICS DIVISION
5800 Main Street NE, Minneapolis, Minnesota 55432-5481
Web Site: www.kurtelelectronics.com

Phone: (763) 572-4593 or (800) 343-9884
FAX: (763) 784-8368 Corporate: (763) 572-1500
Email: electronics.sales@kurt.com

Page 5 of 10
Form: ICS/USB Flyer
Rev. 13 Date: 04/11/05

KurtICS Computer System Mounting Options

XX

REFERENCE NUMBER
FOR PRICE SHEET
(CALL FOR QUOTES)

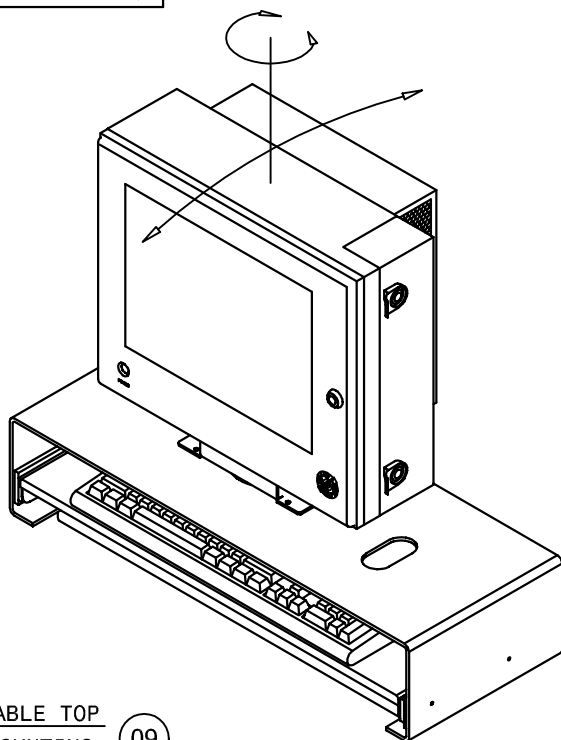
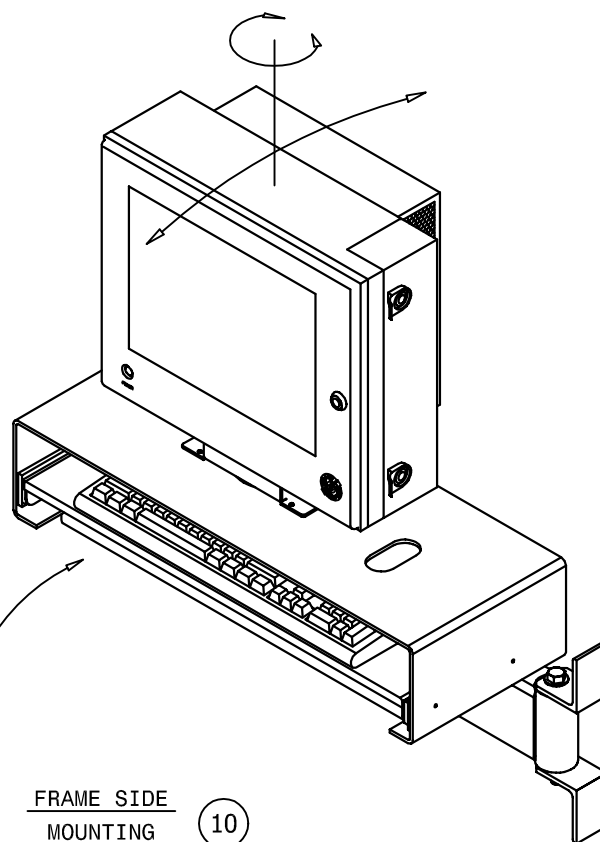


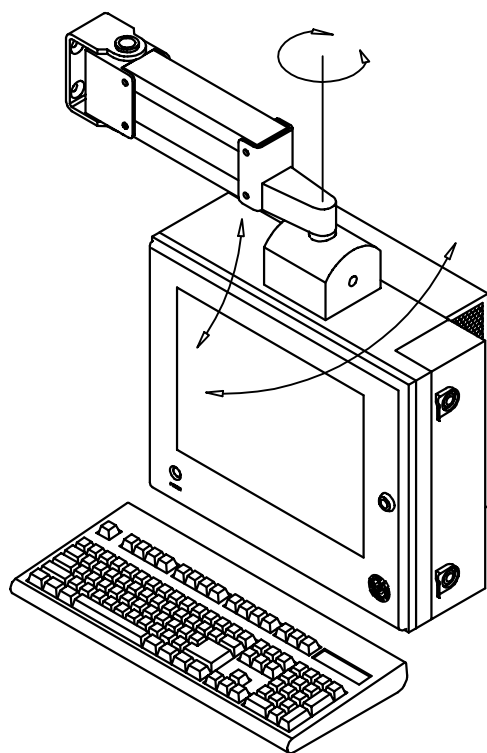
TABLE TOP
MOUNTING

09



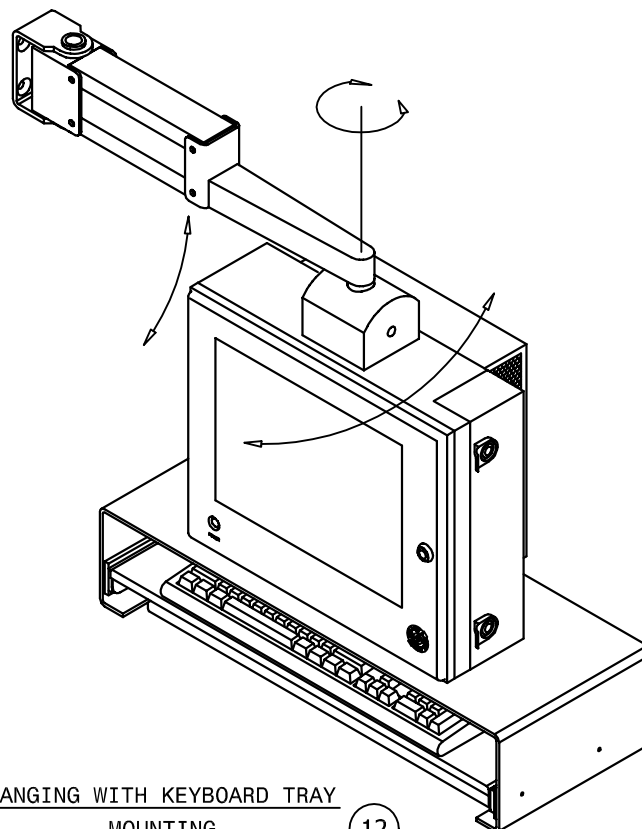
FRAME SIDE
MOUNTING

10



HANGING W/O KEYBOARD TRAY
MOUNTING

11



HANGING WITH KEYBOARD TRAY
MOUNTING

12



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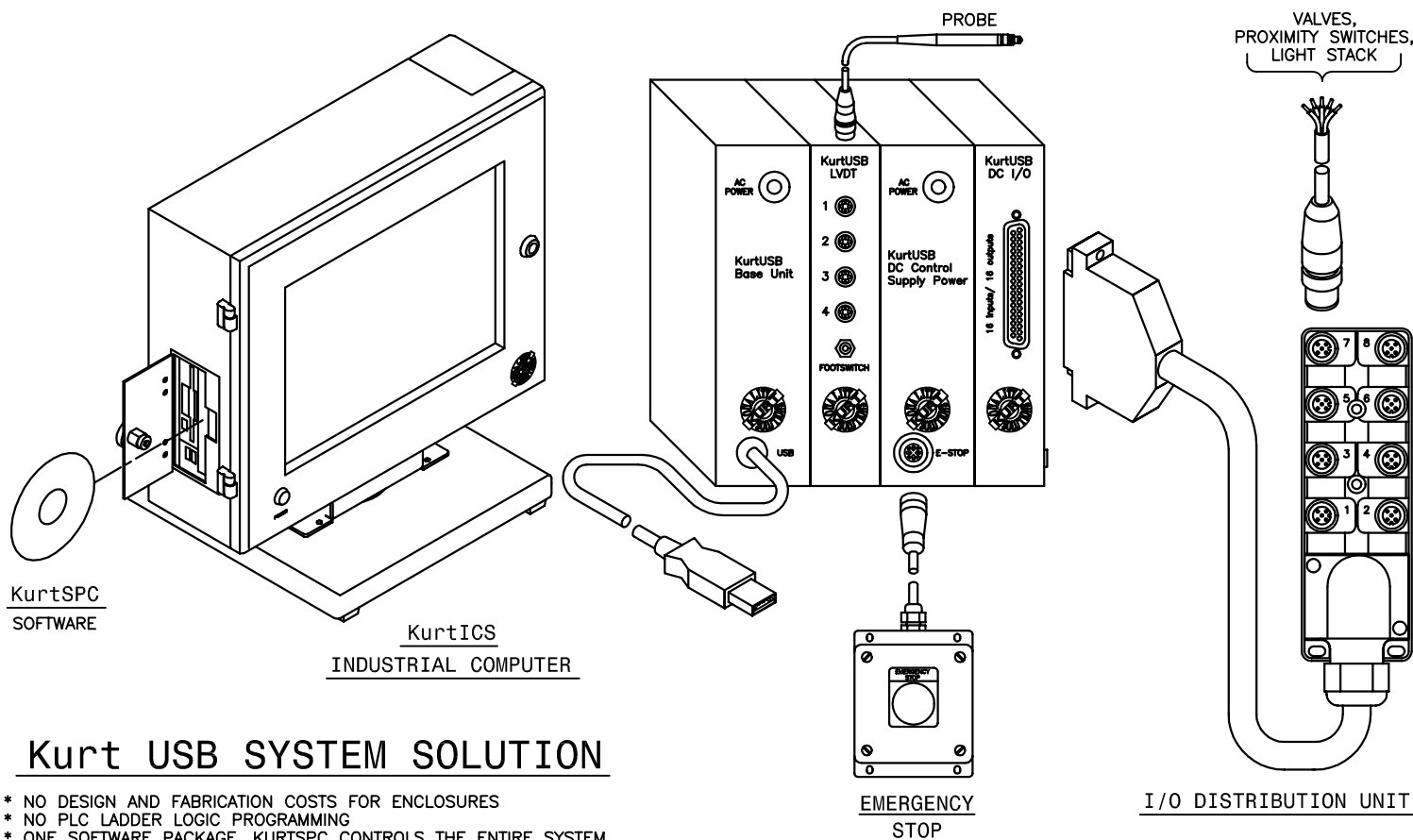
Phone: (763) 572-4593 or (800) 343-9884
FAX: (763) 784-8368 Corporate: (763) 572-1500
Email: electronics.sales@kurt.com

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Rev. 13 Date: 04/11/05

The Kurt family of products can provide a single source solution

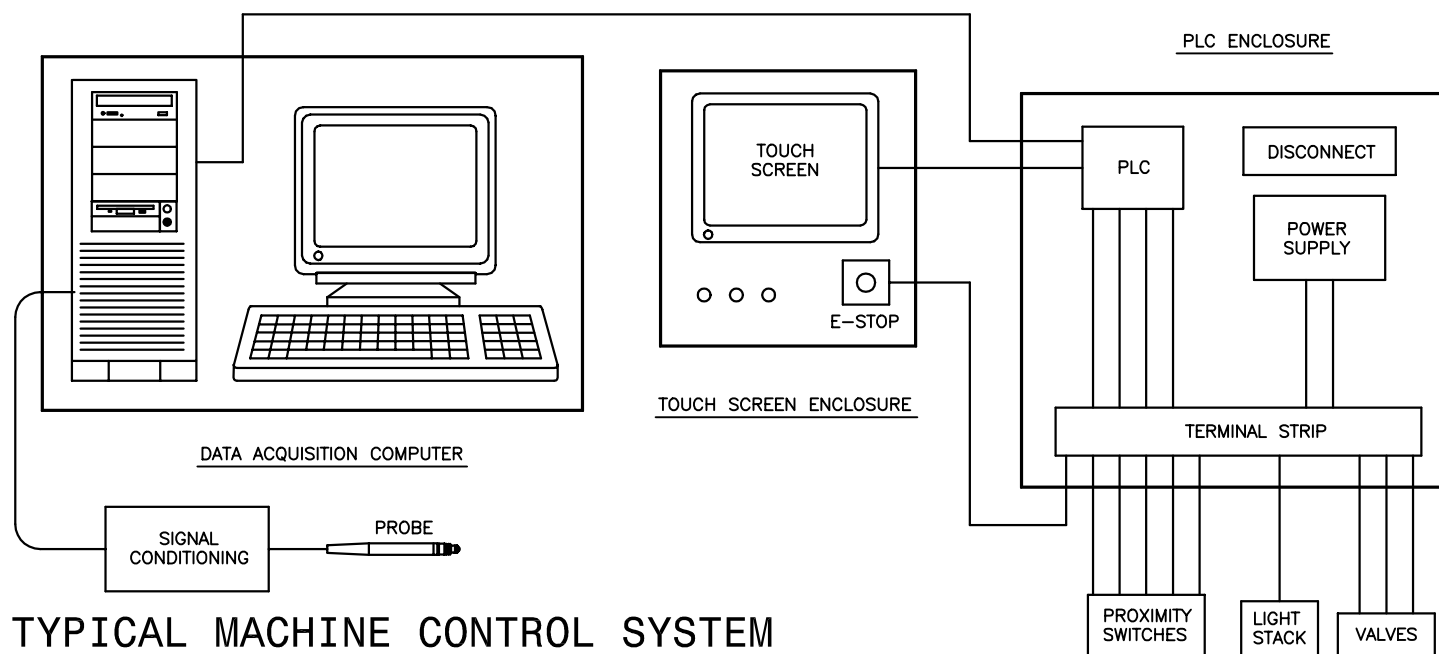
LOOKING FOR A COST EFFECTIVE DATA COLLECTION AND PROCESS CONTROL SOLUTION?

COMPARED TO THE TYPICAL CONTROL SOLUTIONS, THE COST SAVINGS CAN BE THOUSANDS WITH NOTHING NEAR THE COMPLEXITY.



Kurt USB SYSTEM SOLUTION

- * NO DESIGN AND FABRICATION COSTS FOR ENCLOSURES
- * NO PLC LADDER LOGIC PROGRAMMING
- * ONE SOFTWARE PACKAGE, KURTSPC CONTROLS THE ENTIRE SYSTEM
- * COMPLETELY INTEGRATED AND COMPATIBLE PRODUCT LINE, YOUR ONE STOP SHOP
- * EXTREMELY FLEXIBLE EXPANSION OPTIONS
- * REAL-TIME SPC DATA COLLECTION, CHARTING AND DATA MANAGEMENT



TYPICAL MACHINE CONTROL SYSTEM

- * EXPENSIVE LAYOUT AND DESIGN
- * MULTIPLE ENCLOSURES AND DISPLAYS
- * MULTIPLE VENDORS SUPPLYING PRODUCTS WHICH NEED TO BE INTEGRATED
- * PLC AND COMPUTER PROGRAMMING



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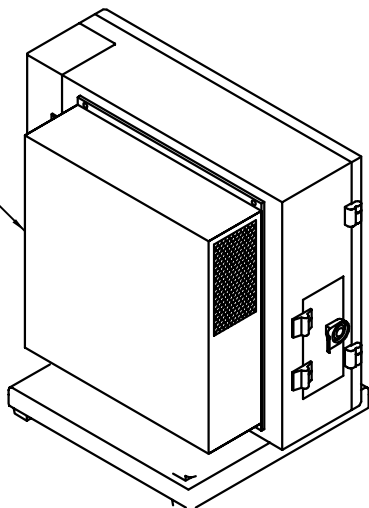
Page 7 of 10
Form: ICS/USB Flyer
Rev. 13 Date: 04/11/05

KurtICS Computer Cooling Options

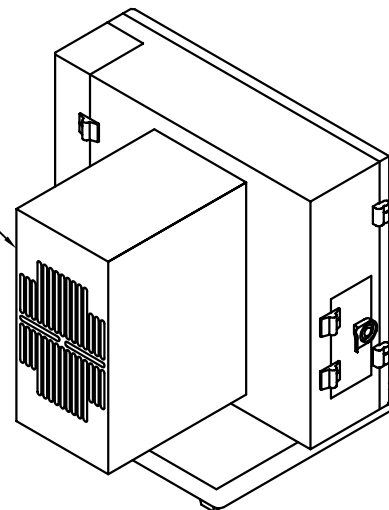
XX

REFERENCE NUMBER
FOR PRICE SHEET
(CALL FOR QUOTES)

05 OPTIONAL
HEAT
EXCHANGER



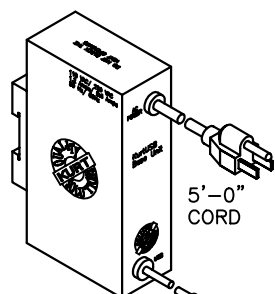
04 OPTIONAL
SOLID
STATE
AIR
CONDITIONER



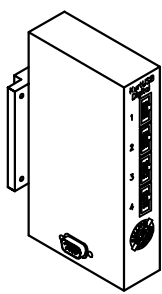
Kurt USB System Solution

LOOKING FOR A COST EFFECTIVE DATA COLLECTION AND PROCESS CONTROL SOLUTION?

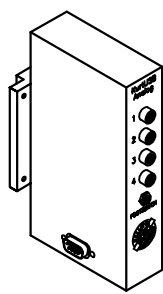
COMPARED TO THE TYPICAL CONTROL SOLUTIONS, THE COST SAVINGS CAN BE THOUSANDS WITH NOTHING NEAR THE COMPLEXITY.



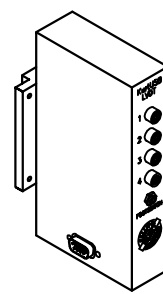
13 Base
Module



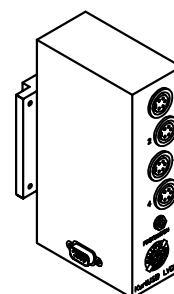
14 Digital
Module



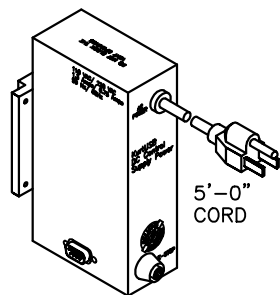
15 Analog
Module
4 Port-6 Pin



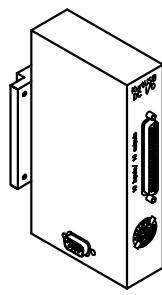
16 LVDT
Module
4 Port-6 Pin



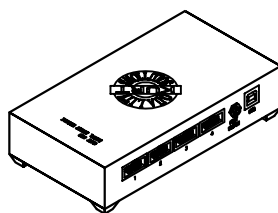
17 LVDT
Module
4 Port-5 Pin



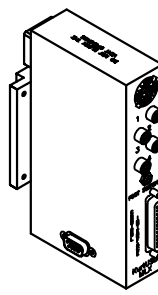
18 DC Control
Supply Power
Module (24 VOLT)



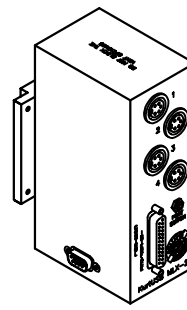
19 DC I/O
Module
(24 VOLT)



20 DIGITAL DIRECT
MODULE



21 LVDT I/O
MODULE



22 LVDT I/O
MODULE



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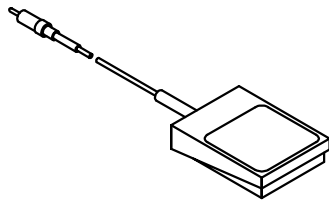
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Form: ICS/USB Flyer
Rev. 13 Date: 04/11/05

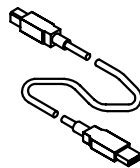
Kurt USB System Options

XX

REFERENCE
NUMBER FOR
PRICE SHEET
(CALL FOR
QUOTES)

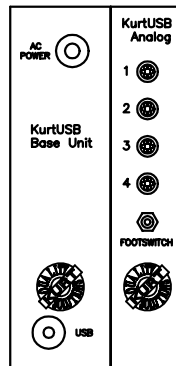
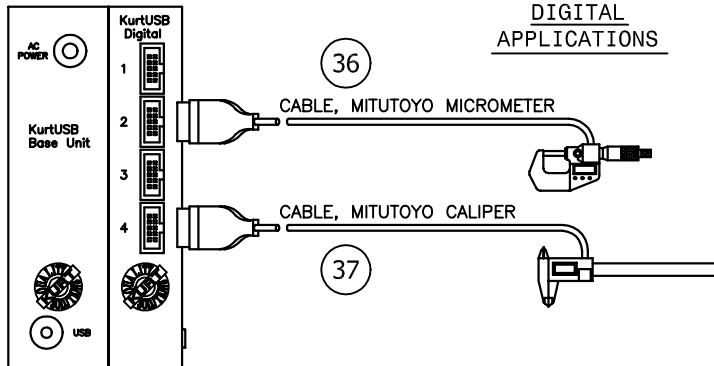


(42) FOOT SWITCH

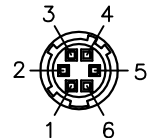


(43) USB INTERFACE CABLE
6'-0" A/B MALE/MALE

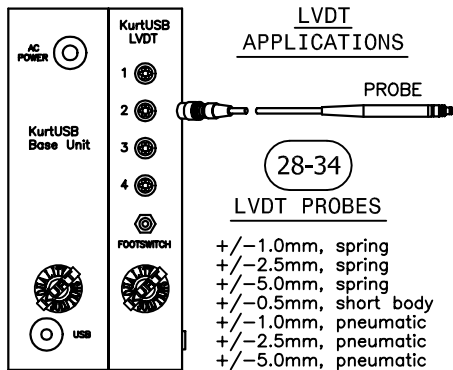
FOR ADDITIONAL CABLE OPTIONS
CONTACT KURT MANUFACTURING



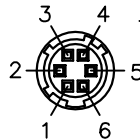
ANALOG Connector
4 Port-6 Pin



- Pin 1 - Not Used
- Pin 2 - +15 VDC Supply
- Pin 3 - Not Used
- Pin 4 - Signal Ground
- Pin 5 - Signal Input
- Pin 6 - Not Used



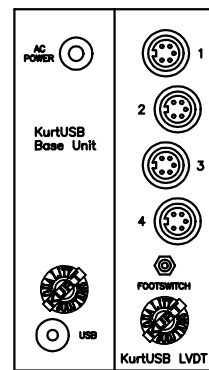
LVDT Connector
4 Port-6 Pin



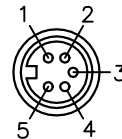
- Pin 1 - Primary (-)
- Pin 2 - Primary (+)
- Pin 3 - Not Used
- Pin 4 - Secondary Return
- Pin 5 - Secondary
- Pin 6 - Not Used

LVDT Connector
4 Port-6 Pin
HALF BRIDGE

- Pin 1 - Primary (-)
- Pin 2 - Primary (+)
- Pin 3 - Not Used
- Pin 4 - Not Used
- Pin 5 - Secondary
- Pin 6 - Not Used

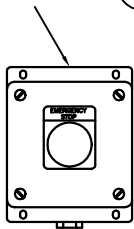


LVDT Connector
4 Port-5 Pin



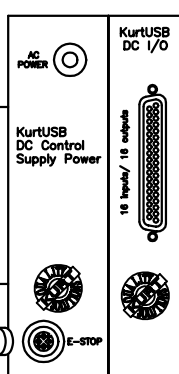
- Pin 1 - Primary (-)
- Pin 2 - Primary (+)
- Pin 3 - Not Used
- Pin 4 - Secondary Return
- Pin 5 - Secondary

EMERGENCY STOP BOX (41)

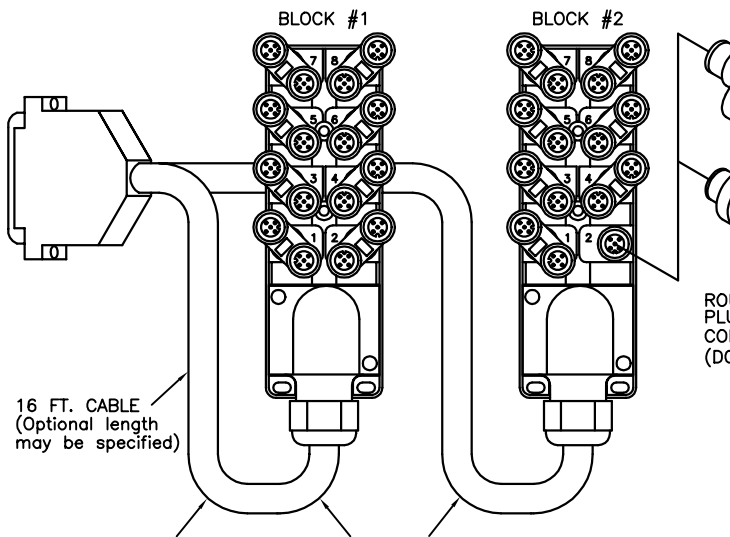


DC I/O APPLICATIONS

VALVES
LIGHT STACKS
INTERLOCKS
SWITCHES
PLC's

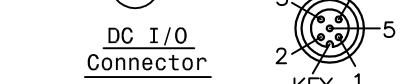
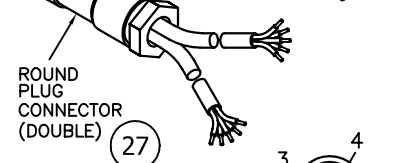
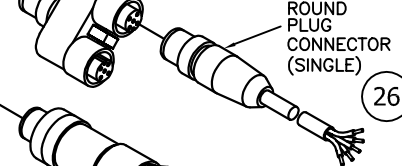


(23) SINGLE CABLE I/O DISTRIBUTION UNIT
(BLK.#1 - 4 INPUTS & 4 OUTPUTS)
(BLK.#1 - 8 INPUTS & 8 OUTPUTS)
WITH OPTIONAL T-CONNECTORS



(24) DOUBLE CABLE I/O DISTRIBUTION UNIT
(BLK.#1 - 8 INPUTS, BLK.#2 - 8 OUTPUTS)
(BLK.#1 - 16 INPUTS, BLK.#2 - 16 OUTPUTS)
WITH OPTIONAL T-CONNECTORS

I/O T-CONNECTOR (25)

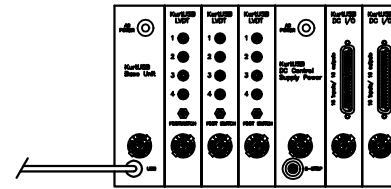
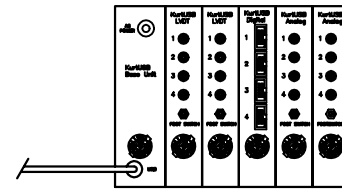
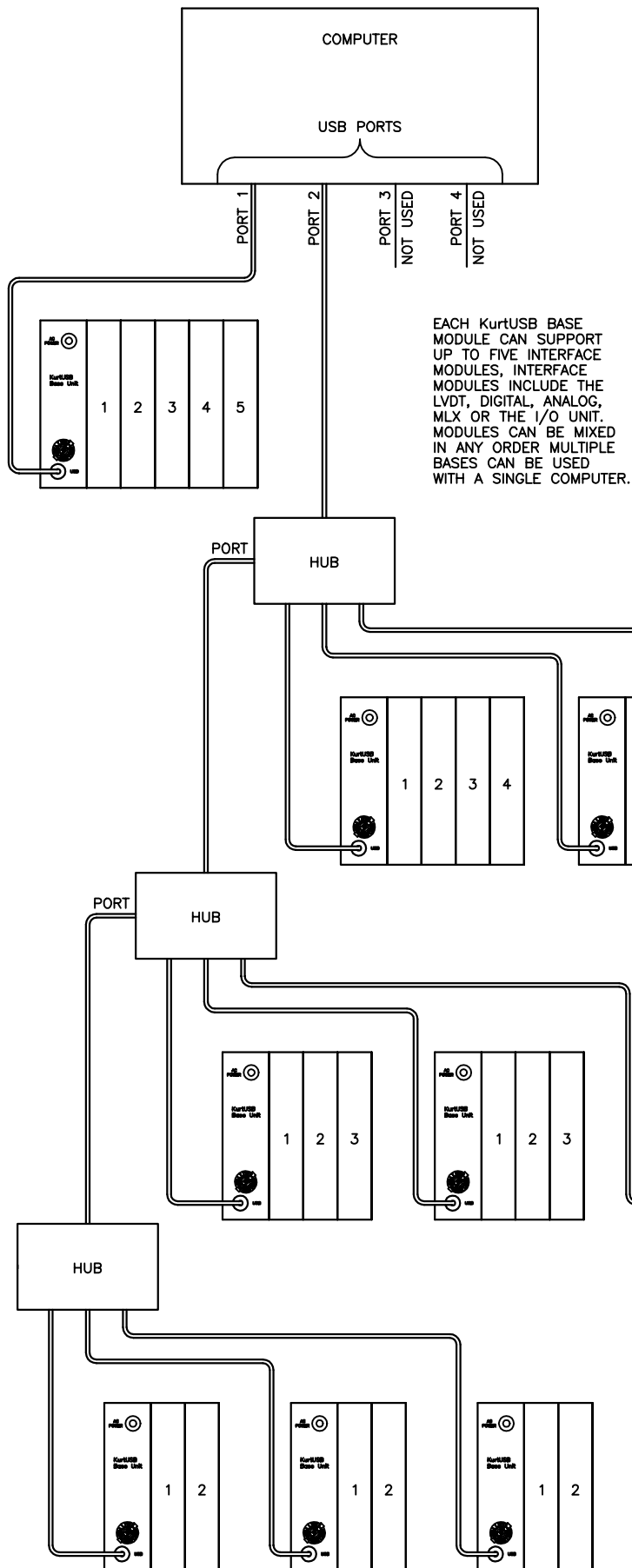


DC I/O Connector

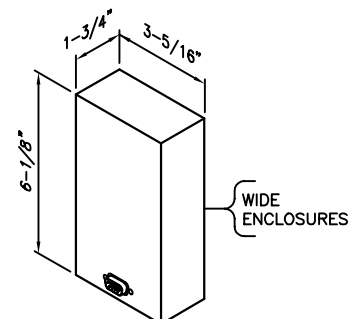
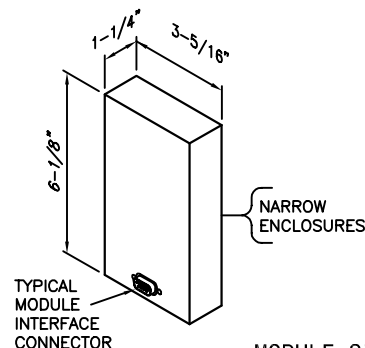
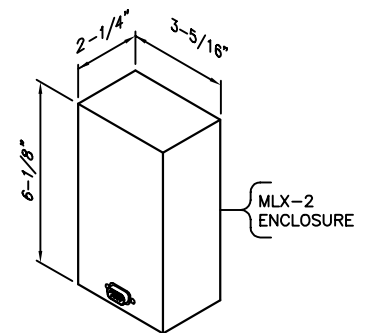
- Pin 1 - (+) 24V (NON E-STOP CIRCUIT)
- Pin 2 - Signal 2 (Not Used)
- Pin 3 - (-) 24V COMMON
- Pin 4 - Signal 1
- Pin 5 - (+) 24V (E-STOP CIRCUIT)



USB Module Stacking



EACH KurtUSB BASE MODULE CAN SUPPORT UP TO FIVE INTERFACE MODULES, INTERFACE MODULES INCLUDE THE LVDT, DIGITAL, ANALOG OR THE I/O UNIT. MODULES CAN BE MIXED IN ANY ORDER MULTIPLE BASES CAN BE USED WITH A SINGLE COMPUTER.



MODULE SIZES

