

# APG Connectivity Guide

Host Devices		Cable Part Number			Interface Types				Printer Manufacturer Web Site
					24 Volt MultiPRO® I	12 Volt MultiPRO® II	12/24 Volt MultiPRO® III	DirectPRO™ Option #	
Manufacturer	Models	1st Drawer	2nd Drawer	Connector					
<b>Receipt Printers:</b>									
ADDMASTER	IJ2040, 3000, 3080, 3160 Printers	CD-023A		RJ12		420	520		<a href="http://www.addmaster.com">www.addmaster.com</a>
AXIOHM SAS	Astrium, APOS, Telesto, TPOS Printers	CD-023A		RJ12		420	520		<a href="http://www.axiohm.com">www.axiohm.com</a>
BIXOLON/SAMSUNG	STP-103, SRP-100/200/250/270/275/300/350/350plus/370/500; SPS-1000	CD-005A	CD-005B	RJ12	320		520		<a href="http://www.bixolon.com">www.bixolon.com</a>
BOCA	FGL 20 Through 44 Ticket Printers	CD-040A	CD-040B	DB15	320		520		<a href="http://www.bocasystems.com">www.bocasystems.com</a>
BOCA	Lemur Printers	CD-047		3.5mm Stereo	320		520		
BOCA	Lemur Printers 10 ft. cable length	CD-047-10		3.5mm Stereo	320		520		
CBM / CITIZEN	CBM-230,-231,-1000 Printers	CD-005A	CD-005B	RJ12	320		520	237A	
CITIZEN	CT-S300, iDP-3210,-3221,-3240,-34xx,-3535,-3550,-3551 Printers	CD-005A	CD-005B	RJ12	320		520	237A	<a href="http://www.cbma.com">www.cbma.com</a>
CITIZEN	iDP-3500,-3530,-3540,-3541 Printers	CD-002A		4 Pin Molex	320		520	240	
CITIZEN	iDP-460,-3310 Printers	CD-005A		RJ12	320		520	237A	
DATAMAX	E-3202 Printer	CD-005A	CD-005B	RJ12	320		520	237A	<a href="http://www.datamaxcorp.com">www.datamaxcorp.com</a>
DELL	T200 Printer	CD-005A	CD-005B	RJ12	320		520	237A	<a href="http://www.dell.com">www.dell.com</a>
DH PRINT	DH 1400, DH 1500 Printers	CD-005A	CD-005B	RJ12	320		520	237A	
ELTRON	Companion Printers	CD-004A		RJ12			520	334	<a href="http://www.eltron.com">www.eltron.com</a>
EPSON	TM Series Printers	CD-005A	CD-005B	RJ12	320		520	237A	<a href="http://www.pos.epson.com">www.pos.epson.com</a>
EPSON	TM Series Printers, 10 ft. cable length	CD-005A10		RJ12	320		520	237A	
HP	HP Thermal Receipt Printer (EY023AA)	CD-001A	CD-001B	RJ12	320		520	322	<a href="http://www.hp.com">www.hp.com</a>
IBM	SureMark 4610 SureOne Printers	CD-001A	CD-001B	RJ12	320		520	461	<a href="http://www.pc.ibm.com/store/printers/sm_dual/">www.pc.ibm.com/store/printers/sm_dual/</a>
ITHACA	Series 50 Printers (BNC)	CD-010		BNC	320		520	196A	
ITHACA	2567 (NCR Emulation)	CD-018		RJ12	320		520		
ITHACA	Series 80 Printers	CD-001A	CD-001B	RJ12	320		520	322	
ITHACA	Series 90, 150, 500, 600; POSJet 1000, iTherm, BankJet 1500, KitchenJet 1000 Printers								<a href="http://www.ithper.com">www.ithper.com</a>
ITHACA	Refer to CAUTION label on bottom of the printer								
ITHACA	"Ithaca Compatible Cash Drawers Only"	CD-009A	CD-009B	RJ12	320		520	196-2A	
ITHACA	"Epson Compatible Cash Drawers Only"	CD-001A	CD-001B	RJ12	320		520	322	
ITHACA	"Star Compatible Cash Drawers Only"	CD-014A	CD-014B	RJ12	320		520	186-6A	
LOGIC CONTROLS	LR3000 Printers	CD-005A	N/A	RJ12	320		520	237A	<a href="http://www.logiccontrols.com">www.logiccontrols.com</a>
NCR	Answer Printer & NCR 2567 Workstation	CD-011		RJ12	320		520		<a href="http://www.ncr.com/products/hardware/prINTER.htm">www.ncr.com/products/hardware/prINTER.htm</a>
NCR	7167, 7197 Printers	CD-001A-D	CD-001B-D	RJ12	320		520	96	
OKIDATA	425 Series Printers	CD-005A	CD-005B	RJ12	320		520	237A	<a href="http://www.okidata.com">www.okidata.com</a>
OLIVETTI	PR4DT Printer	CD-005A	CD-005B	RJ12	320		520	237A	
OMNIPRINT	OM100, OM200 Printers	CD-005A		RJ12	320		520	237A	<a href="http://www.omniprintinc.com">www.omniprintinc.com</a>
OMNIPRINT	OM265 Printer	CD-021A		RJ12		420	520	292	
PERTECH	A470, A470e, 4710, 4711, 4712, 4770, 4771 Printers	CD-003A	CD-003B	RJ12	320		520	197	<a href="http://www.pertechresources.com">www.pertechresources.com</a>
PERTECH	A714, A715, A716, 5351, 5354, 5371, 5371 Series Printers	CD-005A	CD-005B	RJ12	320		520	237A	
POSIFLEX	PP-3000, PP-6000, Aura PP-7000 Printers	CD-046		RJ12		420	520	390	<a href="http://www.posiflexusa.com/prINTER.php">http://www.posiflexusa.com/prINTER.php</a>
SEIKO	DPU5442, DPU5300 Printers	CD-013A	CD-013B	RJ12	320		520	328	
STAR	DP8340 Printer, Parallel - with RJ Jack	CD-017A		RJ12		420	520	186-3A	
STAR	DP8340 Printer, Serial - with Molex Connector	CD-017A + M-16E-0186-SER		3 Pin Molex		420	520	186A	<a href="http://www.starmicronics.com">www.starmicronics.com</a>
STAR	HSP, SCP, SP, and TSP Series Printers	CD-014A	CD-014B	RJ12	320		520	186-6A	
TPG	A721, A752, A755, A756, A758, A760, A776, A793, A794, A795, B780 Printers	CD-001A	CD-001B	RJ12	320		520	322	
WESTREX	600, 7400, 7500, 8000 Printers	CD-015A		RJ12	320		520	192	<a href="http://www.westrex.com">www.westrex.com</a>
WINCOR	TH Series Printers	CD-001A	CD-001B	RJ12	320		520	322	
<b>Special Application Cables</b>									
APG Cash Drawer	Dual Drawer Splitter, General - drawer status switches in parallel. See figure on page 2	CD-D1D2		RJ12	320	420	520		
APG Cash Drawer	Dual Drawer Splitter - Epson emulation drawer status switches in series. See figure on page 2	CD-D1D2EP		RJ12	320		520		
STAR	Contact APG Technical Support for Assistance with these Cables	SP200 / SP300 - Adapter for 24V Signal to 186-3A (12V) Drawer		RJ12		420		186-3A	
STAR		TSP2000 Printer - Flyback Diode Adapter cable		RJ12	320		520	186-6A	

**NOTES:** For current version of this guide see the APG® Cash Drawer web site at [www.apgcd.com](http://www.apgcd.com) or contact customer service at (763) 571-5000. The 520 MultiPRO® interface is not available in the Vasario product line.

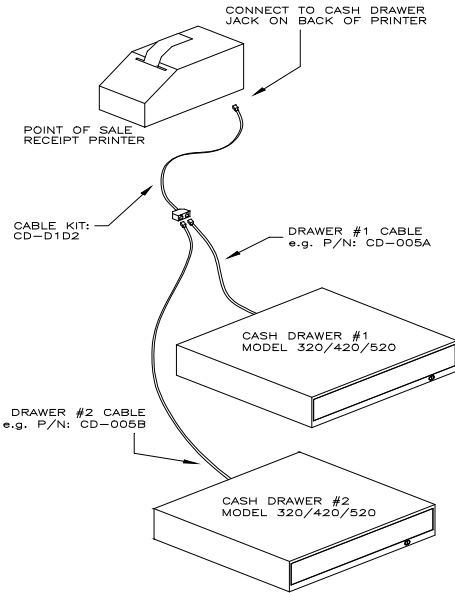
All cables are 5ft. [1.5m] long, unless otherwise specified. Contact APG for longer cables. Many options listed above are available in 10ft [3.0m] cable length options.

The DirectPRO™ interface includes a hardwired cable connected to the Cash Drawer with the proper termination for the specified host device.

Consult APG Doc No. M-43-015 Cable Pinout Guide for pinout information on these various cables

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## DUAL DRAWER WIRING



MultiPRO® 520 Interface Cash Drawer  
12/24V Dual Solenoid

MultiPRO® 420 Interface Cash Drawer  
12V Solenoid

MultiPRO® 320 Interface Cash Drawer  
24V Solenoid



Host Devices		Cable Part Number			Interface Types			DirectPRO™
					24 Volt	12 Volt	12/24 Volt	
Manufacturer	Models	1st Drawer	2nd Drawer	Connector	MultiPRO® I	MultiPRO® II	MultiPRO® III	Option #
<b>ECR's and POS Systems</b>								
COMTREX	ITP Terminals	CD-028A	CD-028B	RJ12		420	520	
CRS	CRS-3000 Terminal	CD-016		4 Pin Molex		420	520	
ELO TOUCH	ELO Touch Systems Terminal	CD-039A	CD-039B	6P6C Mod Plug		420	520	
GEAC	GEAC/FASFAX Terminals	CD-006A		D-Sub 9-Male		420	520	
IBM	468X & 469X, same cable for Port A or Port B	CD-007	CD-007	4 Pin SDL			520	468
IBM	SurePos 500 / 700 Series Terminals, same cable for Port A or Port B	CD-037	CD-037	4 Pin SDL	320		520	568
INNOVAX	Terminals	CD-008A		D-Sub 9-Male		420	520	236
J2	Terminals	CD-005A		RJ12	320		520	237A
NCR	7454 / 7456 / RealPOS Terminals	CD-001A-D	CD-001B-D	RJ12	320		520	96
PANASONIC	Terminals	CD-022		5 Pin Bayonet	N/A	N/A	520	
PANASONIC	Terminals	CD-029		5 Pin Bayonet		Vasario 420 Only		
PANASONIC	7000 and 7500 Series Terminals	CD-042		6 Pin DIN	N/A	420		
PANASONIC	7000 and 7500 Series Terminals	CD-043		6 Pin DIN	Vasario 320 Only			
POSIFLEX	Jiva Touch Terminals: 5700,5800, 6000, 7000	CD-046		RJ12		420	520	390
POSITRAN	Terminals	CD-012		5 Pin Molex	320		520	13
PIONEER POS	Magnus AIO-XV, S-LINE, LX Terminals	CD-001A	N/A	RJ12	320		520	322
SHARP	ER-A170,-A320,-A330,-A430,-A460,-A470,-A550,-A610, UP-3300 Terminals	CD-033		3 Pin Molex	320		520	
TOSHIBA TEC	FS-3600 Modular POS Terminal (Epson Interface)	CD-005A	CD-005B	RJ12	320		520	237A
TOSHIBA TEC	ST-5600 Modular POS Terminal: ST-60, ST-70, ST-71 Touch Screen Terminal (Tec Interface)	N/A	N/A	** Contact APG **				577
UNIWELL	UX Series Terminals	CD-001A		RJ12	320		520	322