

5742 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
1	10-14-63	14550-R
2	1-16-64	79376
3	4-7-64	79849
4	7-6-64	82102
5	8-31-64	82490

NOTES:

- Components in the "From" column are listed in alphanumeric order.
- Wire description abbreviations used:

No Entry	- 24 AWG, Green	31784RM
S 24 BL	- " " Shielded, Blue	31819RM
SP 24 BK/W	- " " Shielded Pair, Black and White	31820RM
S 22 W	- 22 AWG, Shielded, White	31801RM
SP 22 BK/R	- " " Shielded Pair, Black and Red	31814RM
18 BK	- 18 AWG, Black	31770RM
18 W	- " " White	31771RM
18 S	- " " Slate	31778RM
18 G	- " " Green	31773RM
18 Y	- " " Yellow	31774RM
18 R	- " " Red	31772RM
S 18 BK	- " " BLACK, SHIELDED	32095RM
S 18 W	- " " WHITE, SHIELDED	31739RM
S 18 S	- " " SLATE, SHIELDED	31740RM
- A Ref. abbreviation in the Wire Description column indicates an entry that appeared earlier in the list.
- This strap should be included if the "Straight Through Addressing" format is used.
- This strap should be included if the "Copy No CDC's" format is used.
- This strap should be included if the "Copy All After CDC" format is used.

RUNNING LIST FOR
DUAL H/L CONVERTER
CABINET, VC205

APPROVALS

D AND R	E OF M
E-NUMBER	
PROD. NO. 5742WD	
DATE:	
P.D. FILE NO. 33-A25AA	
DRAWN.	CHKD.
ENGD. R.H.K.	APPD.

TELETYPE CORPORATION

5742 WD

RTTY ELECTRONICS
 TELETYPE=Sales-Service-Parts
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 mr_rtty@pacbell.net

C.O.A. AND ISSUE INDEX

5742 WD

SHEET	ISSUE											
	A 2	B 3	C 4	D 5	E 6	F 7	G 8	H 9	I 10	J 11	K 12	L 13
	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.
2	SHEET NO. 2 IS RESERVED FOR THIS INDEX SHEET. NUMBER ADDITIONAL INDEX SHEETS 2A, 2B ETC.											
1	82102											
3	79376	79849		82490								
4	"			"								
5	"			"								
6	"	79849		"								
7	"			"								
8	79849			"								
9	79376											
10	"											
11	79849											
12	79376			"								
13	"											
14	79849			"								
15												
16	79376			"								
17	"											
18	79849			"								
19												
20	79376											
21	"			"								
22	"			"								
23	"	82102		"								
24	"	"										

TELETYPE
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5742 WD

C.O.A. AND ISSUE INDEX

5742 WD

SHEET	ISSUE											
	A 2	B 3	C 4	D 5	E 6	F 7	G 8	H 9	I 10	J 11	K 12	L 13
	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.	C.O.A.
2	SHEET NO. 2 IS RESERVED FOR THIS INDEX SHEET. NUMBER ADDITIONAL INDEX SHEETS 2A, 2B ETC.											
25	79376			82490								
26	"	82102		"								
27	"	"										
28	"			"								
29	"	79849		"								
30				"								
31	79376	79849										
32	"			"								
33												
34												
35												
36												
37	79376											
38												
39												
40												
41												
42	79376											
43	"											
44	"											
45	79849											
46	79376											

TELETYPE CORPORATION

5742 WD

DUAL HIGH-TO-LOW CONVERTER

VC205

ISSUE					
2	3				
					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	BLOWER, RIGHT					
2						
3	AC Common from Input	B5001	(1)	TB5042	8	S18W
4						
5	AC Common to Left Blower	"	(1)	B5002	(1)	S18W
6						
7	Alarm Fused 117 V AC from Left					
8	Blower	"	(2)	"	(2)	S18S
9	Shield Ground	"	Mtg. Screw			
10	BLOWER, LEFT					
11						
12	AC Common from Right Blower	B5002	(1)	B5001	(1)	Ref.
13						
14	Alarm Fused 117 V AC from Lamps	"	(2)	XK5002	5	S18S
15						
16	Alarm Fused 117 V AC to Left Blower	"	(2)	B5001	(2)	Ref.
17	Shield Ground	"	Mtg. Screw			
18	RIGHT SIGNAL LINE FILTER					
19						
20	Low Speed Signal Line (+)	FL5001	Red 1	J5002	A14	SP22R
21						
22	Shield Ground	"	Gnd 2			
23	" "	"	"	Bus Bar		
24	Low Speed Signal Line (-)	"	BK3	J5002	A15	SP22BK
25						
26	Filtered Low Speed Signal Line (+)	"	Red (4)	TB5013	D3	SP22R
27						
28	" " " " " (-)	"	BK(5)	"	D2	SP22BK
29						
30	LEFT SIGNAL LINE FILTER					
31						
32	Low Speed Signal Line (+)	FL5002	Red 1	J5005	A14	SP22R
33						
34	Shield Ground	"	Gnd 2			
35	" "	"	"	Bus Bar		
36	Low Speed Signal Line (-)	"	BK3	J5005	A15	SP22BK
37						
38	Filtered Low Speed Signal Line (+)	"	Red (4)	TB5016	D3	SP22R
39						
40	" " " " " (-)	"	BK (5)	"	D2	SP22BK
41						
42	RIGHT HIGH SPEED INTERFACE CONNECTOR					
43	FEED OUT SAMPLE	J5001	A2	TB5010	B10	S24BL
44	Gated Character Sample	J5001	A5	TB5010	C1	S24 BL
45						
46	CDC Received (No Answer Back)	"	A6	"	C2	
47						
48	RECEIVER Sample	"	A7	"	C10	S24 BL
49	RECEIVER SAMPLE	"	A7	TB5005	A3	S24 BL
50	"V" Answer Back Generated	"	A8	TB5010	D1	S24 BL

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE				
2				
5742 WD				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Generate "V" Answer Back	J5001	A9	TB5009	G1	
2						
3	CHARACTER SAMPLE	"	A10	TB5010	A10	
4						
5	Station Alarm	"	B1	TB5009	G7	
6						
7	High Speed Letters Detect	"	B2	TB5010	C4	S24BL
8						
9	Line Break Request	"	B3	TB5009	G10	
10						
11	Carrier "On-Off"	"	B4	TB5010	F1	
12						
13	Shield Ground	"	B5	J5001	B6	
14	Shield Ground	"	B5			
15	Ground, Circuit	"	B6	J5001	B5	Ref.
16						
17	Ground, Circuit	"	B6	Bus Bar		
18						
19	High Speed Bit No. 1	"	B7	TB5005	G1	
20						
21	" " " " 2	"	B8	"	G2	
22						
23	" " " " 3	"	B9	"	G3	
24						
25	" " " " 4	"	B10	"	G4	
26						
27	EOM → EOA (INV.)	"	C1	TB5010	C9	
28						
29	High Speed EOM/EOT Transmitted	"	C2	"	C6	S24BL
30						
31	Motor Start	"	C3			
32						
33	Line Break Detect	"	C4	TB5010	H1	
34						
35	EOA	"	C5	TB5010	D2	
36						
37	CDC Received (Answer-Back)	"	C6	"	C3	
38						
39	High Speed Bit No. 5	"	C7	TB5005	G5	
40						
41	" " " " 6	"	C8	"	G6	
42						
43	" " " " 7	"	C9	"	G7	
44						
45	" " " " 8	"	C10	"	G8	
46						
47	RIGHT LOW SPEED INTERFACE CONNECTION					
48						
49						
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE				
2				
5742 WD				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	EOM/EOT Transmitted	J5002	A11	TB5009	C1	
2						
3	Distributor Control Shunt	"	A12	"	H5	
4						
5	" " " Return	"	A13	"	H6	
6						
7	Low Speed Signal Line (+)	"	A14	FL5001	Red 1	Ref.
8						
9	" " " " (-)	"	A15	"	BK3	Ref.
10						
11	EOM/EOT Gate Shunt	"	A16	TB5009	C1	
12						
13	TD Send	"	A17	"	C2	
14						
15	TD Send Return	"	A18	"	C3	
16						
17	-48 V DC for TD Return (1A)	"	A19	"	C4	
18						
19	EOM/EOT Gate Shunt Return	"	A20	"	D1	
20						
21	Traffic Available No. 2	"	B11	"	F8	
22						
23	" " " " Return	"	B12	"	E6	
24						
25	Distributor Auxiliary	"	B13	TB5013	D4	
26						
27	" " " Return	"	B14	"	D5	
28						
29	Frame Ground	"	B15	J5002	B16	
30						
31	Shield Ground	"	B15			
32						
33	Ground, Circuit	"	B16	J5002	B15	Ref.
34						
35	Ground, Circuit	"	B16	Bus Bar		
36	1A DIST. PULSE CONTROL STRAP	"	B17	TB5009	F9	
37	Transmitter Auxiliary Contact	"	B19	TB5009	E10	
38	1A L.S. EOT	"	B18	"	H7	
39	Strap for 1A	"	B20	"	A3	
40						
41	Traffic Available No. 1	"	E11	"	C5	
42						
43	TD Busy	"	E13	"	D8	
44						
45	TD Hold	"	E14	"	E3	
46						
47	Circuit Ground	"	E15	J5002	E16	
48	" "	"	E16	BUS BAR		
49	" "	"	E16	J5002	E15	Ref.
50	BID	"	E20	TB5009	H9	

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2	3				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	LEFT HIGH SPEED INTERFACE CONNECTOR					
2	Feed Out Sample	J5004	A2	TB5011	B10	S24BL
3	Gated Character Sample	"	A5	"	C1	S24BL
4						
5	CDC Received (No Answer Back)	"	A6	"	C2	
6						
7	RECEIVER Sample	"	A7	"	C10	S24BL
8	" Sample	"	A7	TB5008	A3	S24BL
9	"V" Answer-Back Generated	"	A8	TB5011	D1	S24BL
10						
11	Generate "V" Answer-Back	"	A9	TB5012	G1	
12						
13	CHARACTER SAMPLE	"	A10	J5004	A10	
14						
15	Station Alarm	"	B1	TB5012	G7	
16						
17	High Speed Letters Detect	"	B2	TB5011	C4	S24BL
18						
19	Line Break Request	"	B3	TB5012	G10	
20						
21	Carrier "On-Off"	"	B4	TB5011	F1	
22						
23	Shield Ground	"	B5	J5004	B6	
24						
25	" "	"	B5			
26						
27	Ground, Circuit	"	B6	J5004	B5	Ref.
28						
29	Ground, Circuit	"	B6	Bus Bar		
30						
31	High Speed Bit No. 1	"	B7	TB5008	G1	
32						
33	" " " " 2	"	B8	"	G2	
34						
35	" " " " 3	"	B9	"	G3	
36						
37	" " " " 4	"	B10	"	G4	
38						
39	EOM → EOA (INV.)	"	C1	TB5011	C9	
40						
41	High Speed EOM/EOT Transmitted	"	C2	"	C6	S24BL
42						
43	Motor Start	"	C3			
44						
45	Line Break Detect	"	C4	TB5011	H1	
46						
47	EOA	"	C5	"	D2	
48						
49	CDC Received (Answer-Back)	"	C6	"	C3	
50						

TELETYPE CORPORATION
5742 WD

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	High Speed Bit No. 5	J5004	C7	TB5008	G5	
2						
3	" " " " 6	"	C8	"	G6	
4						
5	" " " " 7	"	C9	"	G7	
6						
7	" " " " 8	"	C10	"	G8	
8						
9	LEFT LOW SPEED INTERFACE CONNECTOR					
10						
11	EOM/EOT Transmitted	J5005	A11	TB5012	C1	
12						
13	Distributor Control Shunt	"	A12	"	H5	
14						
15	" " " Return	"	A13	"	H6	
16						
17	Low Speed Signal Line (+)	"	A14	FI5002	Red 1	Ref.
18						
19	" " " " (-)	"	A15	"	BK3	Ref.
20						
21	EOM/EOT Gate Shunt	"	A16	TB5012	C1	
22						
23	TD Send	"	A17	"	C2	
24						
25	TD Send Return	"	A18	"	C3	
26						
27	-48 V DC for TD Return (1A)	"	A19	"	C4	
28						
29	EOM/EOT Gate Shunt Return	"	A20	"	D1	
30						
31	Traffic Available #2	"	B11	"	F8	
32						
33	" " " Return	"	B12	"	E6	
34						
35	Dist Distributor Auxiliary	"	B13	TB5016	D4	
36						
37	" " " Return	"	B14	"	D5	
38						
39	Frame Ground	"	B15	J5005	B16	
40						
41	Shield Ground	"	B15			
42						
43	Ground, Circuit	"	B16	J5005	B15	Ref.
44						
45	Ground, Circuit	"	B16	Bus Bar		
46	1A DIST. PULSE CONTROL STRAP	"	B17	TB5012	F9	
47	Transmitter Auxiliary Contact	"	B19	TB5012	E10	
48	1A L.S. EOT	"	B18	"	H7	
49	Strap for 1A	"	B20	"	A3	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Traffic Available #1	J5005	E11	TB5012	C5	
2						
3	TD Busy	"	E13	"	D8	
4						
5	TD Hold	"	E14	"	E3	
6	BND	"	E20	"	H9	
7	Strap for 83B	"	E15	J5005	E16	
8		"	E16	BUS BAR		
9	" "	"	E16	J5005	E15	Ref.
10	STATIC ELIMINATOR					
11	Fused 117 V AC (Alarm)	SE5001	Black	XR5001	5	18BK
12						
13	117 V AC Common	"	White	TB5042	7	18W
14						
15	Frame Ground	"	Green	TB5042	5	18G
16						
17	HISPUC 3B (RIGHT SIDE)					
18						
19	DRPE Feed Drive	TB5001	A1	TB5013	Z3	S22W
20						
21	" " "	"	A1	TB5005	H9	
22						
23	DRPE Bit No. 2 Drive	"	A2	TB5013	L3	S22W
24						
25	" " " " "	"	A2	TB5005	H2	
26						
27	" " " 3 "	"	A3	TB5013	L5	S22W
28						
29	" " " " "	"	A3	TB5005	H3	
30						
31	HISPUC Bit No. 5 Drive	"	A4	"	E5	S22W
32						
33	" " " 6 "	"	A5	"	E6	S22W
34						
35	DRPE Bit No. 4 Drive	"	A8	TB5013	M2	S22W
36						
37	" " " " "	"	A8	TB5005	H4	
38						
39	" " " 5 "	"	A9	TB5013	P2	S22W
40						
41	" " " " "	"	A9	TB5005	H5	
42						
43	" " " 6 "	"	A10	TB5013	AA1	S22W
44						
45	" " " " "	"	A10	TB5005	H6	
46						
47	HISPUC Feed Drive	"	B1	"	E9	S22W
48						
49	-17 V DC	"	B3	TB5002	B2	18Y
50						

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ISSUE				
2				
				5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	-17V DC	TB5001	B4	TB5002	C1	18Y
2						
3	Frame Ground	"	B5	TB5001	B6	
4						
5	Shield Ground	"	B5			
6						
7	Ground. Circuit	"	B6	TB5001	B5	Ref.
8						
9	Circuit Ground	"	B6	Bus Bar		18G
10						
11	-17V DC	"	B7	TB5002	C2	18Y
12						
13	HISPUC Bit No. 3 Drive	"	B10	TB5005	E3	S22W
14						
15	" " " 2 "	"	C1	"	E2	S22W
16						
17	HISPUC Feed Control	"	C2	"	D9	
18						
19	HISPUC Bit No. 2 Control	"	C3	"	D2	
20						
21	" " " 3 "	"	C4	"	D3	
22						
23	" " " 4 "	"	C5	"	D4	
24						
25	" " " 5 "	"	C6	"	D5	
26						
27	" " " 6 "	"	C7	"	D6	
28						
29	" " " 4 Drive	"	C10	"	E4	S22W
30						
31	MVPS 4 (RIGHT SIDE)					
32						
33	117V AC In	TB5002	A1	TB5009	A2	S18S
34						
35	117V AC Common In	"	A2	"	A1	S18W
36						
37	Frame Ground	"	A3	Bus Bar		
38	Shield Ground	"	A3			
39	-17V DC to HISPUC 3C	"	A4	TB5006	B3	18Y
40						
41	-6RV to HISPUC 3A	"	A5	TB5005	A5	
42						
43	-6RV to SEA 1 H/L	"	A5	TB5010	A5	
44						
45	-17V DC to HISPUC 3C	"	A8	TB5006	B4	18Y
46	117V AC to Outlet	"	A9	XF5002	(2)	S18S
47	-17V DC to HISPUC 3B	"	B2	TB5001	B3	Ref.
48	117V AC Common	"	A10	TB5042	7	S18W
49	+6V DC to HISPUC 3A	"	B3	TB5005	B3	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE				
2				
				5742WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	+6 V DC to SEA 1 H/L	TB5002	B3	TB5010	B3	
2						
3	Ground	"	B6	Bus Bar		18G
4						
5	-12 V DC to HISPUC 3A	"	B7	TB5005	B7	
6						
7	-12 V DC to SEA 1 H/L	"	B7	TB5010	B7	
8						
9	+1.5 V DC to HISPUC 3A	"	B8	TB5005	B8	
10						
11	+1.5 V DC to SEA 1 H/L	"	B8	TB5010	B8	
12						
13	-17 V DC to HISPUC 3B	"	C1	TB5001	B4	Ref.
14						
15	-17 V DC to HISPUC 3B	"	C2	"	B7	Ref.
16						
17	+120 V DC to HISPUC 3A	"	C3	TB5005	F1	18R
18						
19	" " " " "	"	C4	"	F3	18R
20						
21	" " " " "	"	C5	"	F5	18R
22						
23	High Current Ground to HISPUC 3A	"	C6	"	F2	18Y
24						
25	" " " " " "	"	C7	"	F4	18Y
26						
27	" " " " " "	"	C8	"	F6	18Y
28						
29	MVPS 4 (LEFT SIDE)					
30						
31	117 V AC In	TB5003	A1	TB5012	A2	S18S
32						
33	117 V AC Common In	"	A2	"	A1	S18W
34						
35	Frame Ground	"	A3	Bus Bar		
36	Shield Ground	"	A3			
37	-17 V DC to HISPUC 3C	"	A4	TB5007	B3	18Y
38						
39	-6 R V to HISPUC 3A	"	A5	TB5008	A5	
40						
41	-6 R V to SEA 1 H/L	"	A5	TB5011	A5	
42						
43	-17 V DC to HISPUC 3C	"	A8	TB5007	B4	18Y
44	117 VAC TO OUTLET	"	A9	XF5002	(2)	S18S
45	-17 V DC to HISPUC 3B	"	B2	TB5004	B3	18Y
46	117 VAC COMMON	"	A10	TB5041	8	S18W
47	+6 V DC to HISPUC 3A	"	B3	TB5003	B3	
48						
49	+6 V DC to SEA 1 H/L	"	B3	TB5011	B3	
50						

TELETYPE CORPORATION
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DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DFT. C.
		COMP	TERM.	COMP	TERM.	
1	Ground, Circuit	TB5003	B6	Bus Bar		18G
2						
3	-12 V DC to HISPUC 3A	"	B7	TB5008	B7	
4						
5	-12 V DC to SEA 1 H/L	"	B7	TB5011	B7	
6						
7	+1.5 V DC to HISPUC 3A	"	B8	TB5008	B8	
8						
9	+1.5 V DC to SEA 1 H/L	"	B8	TB5011	B8	
10						
11	-17 V DC to HISPUC 3B	"	C1	TB5004	B4	18Y
12						
13	-17 V DC to HISPUC 3B	"	C2	"	B7	18Y
14						
15	+120 V DC to HISPUC 3A	"	C3	TB5008	F1	18R
16						
17	" " " " "	"	C4	"	F3	18R
18						
19	" " " " "	"	C5	"	F5	18R
20						
21	High Current Ground to HISPUC 3A	"	C6	"	F2	18W
22						
23	" " " " " "	"	C7	"	F4	18W
24						
25	" " " " " "	"	C8	"	F6	18W
26						
27	HISPUC 3B (LEFT SIDE)					
28						
29	DRPE Feed Drive	TB5004	A1	TB5016	Z3	S22W
30						
31	" " "	"	A1	TB5008	H9	
32						
33	DRPE Bit No. 2 Drive	"	A2	TB5016	L3	S22W
34						
35	" " " " "	"	A2	TB5008	H2	
36						
37	" " " 3 "	"	A3	TB5016	L5	S22W
38						
39	" " " " "	"	A3	TB5008	H3	
40						
41	HISPUC Bit No. 5 Drive	"	A4	"	E5	S22W
42						
43	" " " 6 "	"	A5	"	E6	S22W
44						
45	DRPE Bit No. 4 Drive	"	A8	TB5016	M2	S22W
46						
47	" " " " "	"	A8	TB5008	F4	
48						
49	" " " 5 "	"	A9	TB5016	P2	S22W
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP.	TERM.	COMP.	TERM.	
1	DRPE Bit No. 5 Drive	TB5004	A9	TB5008	H5	
2						
3	" " " 6 "	"	A10	TB5016	AA1	S22W
4						
5	" " " 6 "	"	A10	TB5008	H6	
6						
7	HISPUC Feed Drive	"	B1	"	E9	S22W
8						
9	-17 V DC	"	B3	TB5003	B2	Ref.
10						
11	-17 V DC	"	B4	"	C1	Ref.
12						
13	Frame Ground	"	B5	TB5004	B6	
14						
15	Shield Ground	"	B5			
16						
17	Ground. Circuit	"	B6	TB5004	B5	Ref.
18						
19	Circuit Ground	"	B6	Bus Bar		
20						
21	-17 V DC	"	B7	TB5003	C2	Ref.
22						
23	HISPUC Bit No. 3 Drive	"	B10	TB5008	E3	S22W
24						
25	" " " 2 "	"	C1	"	E2	S22W
26						
27	HISPUC Feed Control	"	C2	"	D9	
28						
29	HISPUC Bit No. 2 Control	"	C3	"	D2	
30						
31	" " " 3 "	"	C4	"	D3	
32						
33	" " " 4 "	"	C5	"	D4	
34						
35	" " " 5 "	"	C6	"	D5	
36						
37	" " " 6 "	"	C7	"	D6	
38						
39	" " " 4 Drive	"	C10	"	E4	S22W
40						
41	HISPUC 3D (RIGHT SIDE)					
42						
43	RECEIVER SAMPLE	TB5005	A3	J5001	A7	REF
44						
45	-6 R V DC	"	A5	TB5002	A5	Ref.
46						
47	Feed Out Inhibit	"	B1	TB5010	F3	
48	" " "	"	B1	TB5005	D10	
49	Feed Out Request	"	B2	TB5010	H5	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	+6 V DC	TB5005	B3	TB5002	B3	Ref.
2						
3	Frame Ground	"	B5	TB5005	B6	
4						
5	Shield Ground	"	B5			
6						
7	Ground Circuit	"	B6	TB5005	B5	Ref.
8						
9	Control Ground	"	B6	Bus Bar		
10						
11	+6 V DC	"	B7	TB5002	B7	Ref.
12						
13	+1.5 V DC	"	B8	"	B8	Ref.
14						
15	DRPE Bit No. 1 Drive Return	"	C1	TB5013	L2	S22W
16						
17	" " " 2 " "	"	C2	"	L4	S22W
18						
19	" " " 3 " "	"	C3	"	M1	S22W
20						
21	" " " 4 " "	"	C4	"	M3	S22W
22						
23	" " " 5 " "	"	C5	"	P3	S22W
24						
25	" " " 6 " "	"	C6	"	AA2	S22W
26						
27	" " " 7 " "	"	C7	"	V5	S22W
28						
29	" " " 8 " "	"	C8	"	Z2	S22W
30						
31	DRPE Feed Drive Return	"	C9	"	Z5	S22W
32						
33	ENABLE	"	C10	TB5010	E1	S24BL
34						
35	HISPUC Bit No. 1 Control	"	D1	TB5006	C2	
36						
37	" " " 2 " "	"	D2	TB5001	C3	Ref.
38						
39	" " " 3 " "	"	D3	"	C4	Ref.
40						
41	" " " 4 " "	"	D4	"	C5	Ref.
42						
43	" " " 5 " "	"	D5	"	C6	Ref.
44						
45	" " " 6 " "	"	D6	"	C7	Ref.
46						
47	" " " 7 " "	"	D7	TB5006	C3	
48						
49	" " " 8 " "	"	D8	"	C4	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	HISPUC Feed Control	TB5005	D9	TB5001	C2	Ref.
2	Feed Out INHIBIT	"	D10	TB5005	B13	REF.
3	HISPUC Bit No. 1 Drive	"	E1	TB5006	B1	
4						
5	" " " 2 "	"	E2	TB5001	C1	Ref.
6						
7	" " " 3 "	"	E3	"	B10	Ref.
8						
9	" " " 4 "	"	E4	"	C10	Ref.
10						
11	" " " 5 "	"	E5	"	A4	Ref.
12						
13	" " " 6 "	"	E6	"	A5	Ref.
14						
15	" " " 7 "	"	E7	TB5006	C1	
16						
17	" " " 8 "	"	E8	"	B10	
18						
19	HISPUC Feed Drive	"	E9	TB5001	B1	Ref.
20	Feed Out BUTTON	"	E10	TB5010	H3	
21	+120 V DC	"	F1	TB5002	C3	Ref.
22						
23	+120 V DC Ground Return	"	F2	"	C6	Ref.
24						
25	+120 V DC	"	F3	"	C4	Ref.
26						
27	+120 V DC Ground Return	"	F4	"	C7	Ref.
28						
29	+120 V DC	"	F5	"	C5	Ref.
30						
31	+120 V DC Ground Return	"	F6	"	C8	Ref.
32						
33	High Speed Bit No. 1	"	G1	J5001	B7	Ref.
34						
35	" " " " 2	"	G2	"	B8	Ref.
36						
37	" " " " 3	"	G3	"	B9	Ref.
38						
39	" " " " 4	"	G4	"	B10	Ref.
40						
41	" " " " 5	"	G5	"	C7	Ref.
42						
43	" " " " 6	"	G6	"	C8	Ref.
44						
45	" " " " 7	"	G7	"	C9	Ref.
46						
47	" " " " 8	"	G8	"	C10	Ref.
48						
49	DRPE Bit No. 1 Drive	"	H1	TB5006	A1	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE

5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	DRPE Bit No. 2 Drive	TB5005	H2	TB5001	A2	Ref.
2						
3	" " " 3 "	"	H3	"	A3	Ref.
4						
5	" " " 4 "	"	H4	"	A8	Ref.
6						
7	" " " 5 "	"	H5	"	A9	Ref.
8						
9	" " " 6 "	"	H6	"	A10	Ref.
10						
11	" " " 7 "	"	H7	TB5006	A2	
12						
13	" " " 8 "	"	H8	"	A3	
14						
15	DRPE Feed Drive	"	H9	TB5001	A1	Ref.
16						
17	HISPUC 3C (RIGHT SIDE)					
18						
19	DRPE Bit No. 1 Drive	TB5006	A1	TB5013	L1	S22W
20						
21	" " " " "	"	A1	TB5005	H1	Ref.
22						
23	" " " 7 "	"	A2	TB5013	V4	S22W
24						
25	" " " " "	"	A2	TB5005	H7	Ref.
26						
27	" " " 8 "	"	A3	TB5013	Z1	S22W
28						
29	" " " " "	"	A3	TB5005	H8	Ref.
30						
31	HISPUC Bit No. 1 Drive	"	B1	"	E1	Ref.
32						
33	-17 V DC	"	B3	TB5002	A4	Ref.
34						
35	-17 V DC	"	B4	"	A8	Ref.
36						
37	Frame Ground	"	B5	TB5006	B6	
38						
39	Shield Ground	"	B5			
40						
41	Ground, Circuit	"	B6	TB5006	B5	Ref.
42						
43	Circuit Ground	"	B6	Bus Bar		
44						
45	HISPUC Bit No. 8 Drive	"	B10	TB5005	E8	Ref.
46						
47	" " " 7 "	"	C1	"	E7	Ref.
48						
49	HISPUC Bit No. 1 Control	"	C2	"	D1	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	HISPUC Bit No. 7 Control	TB5006	C3	TB5005	D7	Ref.
2						
3	" " " 8 "	"	C4	"	D8	Ref.
4						
5	HISPUC 3C (LEFT SIDE)					
6						
7	DRPE Bit No. 1 Drive	TB5007	A1	TB5016	L1	S22W
8						
9	" " " 1 "	"	A1	TB5008	H1	
10						
11	" " " 7 "	"	A2	TB5016	V4	S22W
12						
13	" " " 7 "	"	A2	TB5008	H7	
14						
15	" " " 8 "	"	A3	TB5016	Z1	S22W
16						
17	" " " 8 "	"	A3	TB5008	H8	
18						
19	HISPUC Bit No. 1 Drive	"	B1	"	E1	
20						
21	-17 V DC	"	B3	TB5003	A4	Ref.
22						
23	-17 V DC	"	B4	"	A8	Ref.
24						
25	Frame Ground	"	B5	TB5007	B6	
26						
27	Shield Ground	"	B5			
28						
29	Ground, Circuit	"	B6	TB5007	B5	Ref.
30						
31	Circuit Ground	"	B6	Bus Bar		
32						
33	HISPUC Bit No. 8 Drive	"	B10	TB5008	E8	
34						
35	" " " 7 "	"	C1	"	E7	
36						
37	" " " 1 Control	"	C2	"	D1	
38						
39	" " " 7 "	"	C3	"	D7	
40						
41	" " " 8 "	"	C4	"	D8	
42						
43	HISPUC 3D (LEFT SIDE)					
44						
45	RECEIVER SAMPLE	TB5008	A3	J5004	A7	REF
46						
47	-6 R V DC	"	A5	TB5003	A5	Ref.
48						
49	Feed Out Inhibit	"	B1	TB5011	F3	
50	" " "	"	B1	TB5008	D10	

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Feed Out Request	TB5008	B2	TB5011	H5	
2						
3	+6 V DC	"	B3	TB5003	B3	Ref.
4						
5	Frame Ground	"	B5	TB5008	B6	
6						
7	Shield Ground	"	B5			
8						
9	Ground. Circuit	"	B6	TB5008	B5	Ref.
10						
11	Circuit Ground	"	B6	Bus Bar		
12						
13	+6 V DC	"	B7	TB5003	B7	Ref.
14						
15	+1.5 V DC	"	B8	"	B8	Ref.
16						
17	DRPE Bit No. 1 Drive Return	"	C1	TB5016	L2	S22W
18						
19	" " " 2 " "	"	C2	"	L4	S22W
20						
21	" " " 3 " "	"	C3	"	M1	S22W
22						
23	" " " 4 " "	"	C4	"	M3	S22W
24						
25	" " " 5 " "	"	C5	"	P3	S22W
26						
27	" " " 6 " "	"	C6	"	AA2	S22W
28						
29	" " " 7 " "	"	C7	"	V5	S22W
30						
31	" " " 8 " "	"	C8	"	Z2	S22W
32						
33	DRPE Feed Drive Return	"	C9	"	Z5	S22W
34						
35	ENABLE	"	C10	JB50M	E1	S24BL
36						
37	HISPUC Bit No. 1 Control	"	D1	TB5007	C2	Ref.
38						
39	" " " 2 " "	"	D2	TB5004	C3	Ref.
40						
41	" " " 3 " "	"	D3	"	C4	Ref.
42						
43	" " " 4 " "	"	D4	"	C5	Ref.
44						
45	" " " 5 " "	"	D5	"	C6	Ref.
46						
47	" " " 6 " "	"	D6	"	C7	Ref.
48						
49	" " " 7 " "	"	D7	TB5007	C3	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	HISPUC Bit No. 8 Control	TB5008	D8	TB5007	C4	Ref.
2						
3	HISPUC Feed Control	"	D9	TB5004	C2	Ref.
4	Feed Out INHIBIT	"	D10	TB5008	B10	REF.
5	HISPUC Bit No. 1 Drive	"	E1	TB5007	B1	Ref.
6						
7	" " " 2 "	"	E2	TB5004	C1	Ref.
8						
9	" " " 3 "	"	E3	"	B10	Ref.
10						
11	" " " 4 "	"	E4	"	C10	Ref.
12						
13	" " " 5 "	"	E5	"	A4	Ref.
14						
15	" " " 6 "	"	E6	"	A5	Ref.
16						
17	" " " 7 "	"	E7	TB5007	C1	Ref.
18						
19	" " " 8 "	"	E8	"	B10	Ref.
20						
21	HISPUC Feed Drive	"	E9	TB5004	B1	Ref.
22	Feed Out BUTTON	"	E10	TB5011	H3	
23	+120 V DC	"	F1	TB5003	C3	Ref.
24						
25	" " Ground Return	"	F2	"	C6	Ref.
26						
27	" "	"	F3	"	C4	Ref.
28						
29	" " Ground Return	"	F4	"	C7	Ref.
30						
31	" "	"	F5	"	C5	Ref.
32						
33	" " Ground Return	"	F6	"	C8	Ref.
34						
35	High Speed Bit No. 1	"	G1	J5004	E7	Ref.
36						
37	" " " " 2	"	G2	"	B8	Ref.
38						
39	" " " " 3	"	G3	"	B9	Ref.
40						
41	" " " " 4	"	G4	"	B10	Ref.
42						
43	" " " " 5	"	G5	"	C7	Ref.
44						
45	" " " " 6	"	G6	"	C8	Ref.
46						
47	" " " " 7	"	G7	"	C9	Ref.
48						
49	" " " " 8	"	G8	"	C10	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	DRPE Bit No. 1 Drive	TB5008	H1	TB5007	A1	Ref.
2						
3	" " " 2 "	"	H2	TB5004	A2	Ref.
4						
5	" " " 3 "	"	H3	"	A3	Ref.
6						
7	" " " 4 "	"	H4	"	A8	Ref.
8						
9	" " " 5 "	"	H5	"	A9	Ref.
10						
11	" " " 6 "	"	H6	"	A10	Ref.
12						
13	" " " 7 "	"	H7	TB5007	A2	Ref.
14						
15	" " " 8 "	"	H8	"	A3	Ref.
16						
17	DRPE Feed Drive	"	H9	TB5004	A1	Ref.
18						
19	SEA 2 H/L (RIGHT SIDE)					
20						
21	Switched 117 V AC Common	TB5009	A1	TB5013	BB4	S18W
22						
23	" " " "	"	A1	TB5002	A2	Ref.
24						
25	" " " "	"	A1	TB5009	G9	S24FL
26						
27	Switched 117 V AC	"	A2	TB5002	A1	Ref.
28						
29	Switched 117 V AC	"	A2	TB5013	BB3	S18S
30						
31	Strap for 1A	"	A3	J5002	B20	Ref.
32						
33	-48 V DC	"	A6	TB5013	FF4	S22W
34						
35	Fused 117 V AC	"	A9	XF5001	(2)	S18S
36						
37	Fused 117 V AC Common	"	A10	TB5042	8	S18W
38						
39	Station Alarm Ground	"	B1	TB5009	C10	
40						
41	Station Alarm Circuit	"	B2	"	G6	
42						
43	-28 V DC	"	B4	"	C9	
44						
45	Frame Ground	"	B5	"	B6	
46						
47	Shield Ground	"	B5			
48						
49	Ground. Circuit	"	B6	TB5009	B5	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Circuit Ground	TB5009	B6	Bus Bar		18G
2	CODE CONTACTS COMMON	"	B9	TB5013	D1	SP22BK
3	Low Speed EOM/EOT Transmitted	"	C1	J5002	A11	Ref.
4	STOP PULSE	"	B10	TB5013	D2	SP22R
5	EOM/EOT Gate Shunt	"	C1	J5002	A16	Ref.
6						
7	TD Send	"	C2	"	A17	Ref.
8						
9	TD Send Return	"	C3	"	A18	Ref.
10						
11	-48 V DC for TD Return (1A)	"	C4	"	A19	Ref.
12						
13	Traffic Available No. 1	"	C5	"	E11	Ref.
14						
15	" " " " Return	"	C6	Bus Bar		
16						
17	24 V AC	"	C7	TB5013	BB1	SP22R
18						
19	24 V AC	"	C8	"	BB2	SP22BK
20						
21	-28 V DC	"	C9	TB5009	B4	Ref.
22						
23	-28 V DC	"	C9	TB5010	B4	
24						
25	-28 V DC	"	C9	XK5001	11	
26						
27	-28 V DC Common	"	C10	TB5009	B1	Ref.
28						
29	-28 V DC Common	"	C10	Bus Bar		
30						
31	Gated Low Speed EOM/EOT Transmitted	"	D1	TB5010	G10	
32						
33	EOM/EOT Shunt Return	"	D1	J5002	A20	Ref.
34						
35	Letters Delete Relay	"	D2	TB5010	H8	
36						
37	Traffic Available Relay	"	D5	TB5010	G9	
38						
39	Hold "Off" After Sequence Stop	"	D6	"	H6	
40						
41	Immediate Stop Remove Traffic					
42	Available	"	D7	TB5010	H2	
43						
44	TD Busy	"	D8	J5002	E13	Ref.
45						
46	Remove Traffic Available, Sequence					
47	Stop Switch	"	D9	TB5010	H7	
48						
49						
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Reader Sense Auxiliary Signal	TB5009	D10	TB5010	F8	
2						
3	Logic Reset	"	E1	"	A1	
4						
5	Sequence Stop Remove Traffic Available	"	E2	"	H4	
6						
8	TD Hold	"	E3	J5002	E14	Ref.
9						
10	Tight-Tape to Run-Stop Switch	"	E4	TB5013	G1	
11						
12	Receiving Lamp	"	E5	TB5010	F4	
13						
14	Traffic Available No. 2 Return	"	E6	J5002	B12	Ref.
15						
16	Letter Detect Register Reset	"	E7	TB5010	F7	
17						
18	Cigarette Detector Auxiliary	"	E8	TB5010	F12	Ref.
19						
20	Line Break Request	"	E9	TB5010	F11	Ref.
21						
22	Transmitter Auxiliary Contact	"	E10	J5002	B19	Ref.
23						
24	Generate "V" Answer Back Gate	"	F1	TB5010	F5	
25						
26	Reader Clutch	"	F2	TB5013	E1	SP22R
27						
28	Reader Clutch Return	"	F3	"	E2	SP22BK
29						
30	Distributor Clutch Trip Contact	"	F4	"	F1	SP22R
31						
32	" " " " Return	"	F5	"	F2	SP22BK
33						
34	Distributor Clutch	"	F6	"	E3	SP22R
35						
36	Distributor Clutch Return	"	F7	"	E4	SP22BK
37						
38	Traffic Available No. 2	"	F8	J5002	B11	Ref.
39	1A DIST. PULSE CONTROL STRAP	"	F9	J5002	B17	REF
40	Reader Sense Auxiliary Contact	"	F10	TB5013	F5	
41						
42	Generate "V" Answer Back	"	G1	J5001	A9	Ref.
43	LINE BREAK REQUEST GATE	"	G2	TB5010	A3	
44	TAPE AVAILABLE (TAUT TAPE CONTACT)	"	G3	TB5013	G3	
45						
46	Converter Alarm Relay	"	G5	TB5010	A2	
47						
48	Station Alarm Circuit	"	G6	TB5009	B2	Ref.
49						
50	Station Alarm	"	G7	J5001	B1	Ref.

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Cabinet Alarm	TB5009	G8	XK5001	8	S24BL
2						
3	Cabinet Alarm Circuit	"	G9	TB5009	A1	Ref.
4	Line Break Request	"	G10	J5001	B3	Ref.
5						
6	Sea 1 H/L Ground	"	H1	TB5010	B5	
7						
8						
9	BID	"	H9	J5002	E20	REF.
10	Run-Stop Tight-Tape	"	H4	TB5010	D10	
11	Distributor Clutch Common	"	H5	TB5013	FF3	
12	Distributor Control Shunt	"	H5	J5002	A12	Ref.
13						
14	" " " Return	"	H6	"	A13	Ref.
15	IA L.S. EOT	"	H7	"	B18	Ref.
16	SEA 1 H/L					
17						
18	Logic Reset	TB5010	A1	TB5009	E1	Ref.
19						
20	Converter Alarm Relay	"	A2	"	G5	Ref.
21						
22	Line Break Request GATE	"	A3	TB5009	G2	Ref.
23						
24	-6 R V DC	"	A4	TB5010	A2	
25						
26	-6 R V DC	"	A5	TB5002	A5	Ref.
27						
28	-6 R V DC	"	A5	TB5010	A4	Ref.
29	CHARACTER SAMPLE	"	A10	J5001	A10	REF.
30	Tape Bin Full	"	B1	TB5013	B1	
31						
32	Emergency Tight-Tape	"	B2	"	N3	
33						
34	+6 V DC	"	B3	TB5002	B3	Ref.
35						
36	-28 V DC	"	B4	TB5009	C9	Ref.
37						
38						
39						
40	Frame Ground	"	B5	TB5010	B6	
41	SEA 1 H/L Ground	"	B5	TB5009	H1	Ref.
42	Shield Ground	"	B5			
43						
44	Ground. Circuit	"	B6	TB5010	B5	Ref.
45						
46	Circuit Ground	"	B6	Bus Bar		
47						
48	-12 V DC	"	B7	TB5002	B7	Ref.
49	Feed Out Sample	"	H10	J5001	A2	Ref.
50	+1.5 V DC	"	B8	TB5002	B8	Ref.

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2	3				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Gated Character Sample	TB5010	C1	J5001	A5	Ref.
2						
3	CDC Received (No Answer Back)	"	C2	"	A6	Ref.
4						
5	CDC Received (Answer Back)	"	C3	"	C6	Ref.
6						
7	High Speed Letters Detect	"	C4	"	B2	Ref.
8						
9	STRAP NOTE 5	"	C7	TB5010	F2	
10	STRAP NOTE 6	"	C7	"	D6	
11	High Speed EOM/EOT Transmitted	"	C6	J5001	C2	Ref.
12	STRAP NOTE 5,6	"	C8	TB5010	E6	
13	EOM—EOA (INV.)	"	C9	J5001	C1	Ref.
14	STRAP NOTE 5	"	C9	TB5010	E9	
15	RECEIVER Sample	"	C10	J5001	A7	Ref.
16						
17	"V" Answer Back Generated	"	D1	"	A8	Ref.
18						
19	EOA	"	D2	"	C5	Ref.
20						
21	Strap Note 4	"	D3	TB5010	D9	
22						
23	" " 4	"	D4	"	E2	
24						
25	" " 4	"	D5	"	E3	
26						
27	" " 4,5	"	D6	"	E8	
28						
29	" " 5,6	"	D6	"	D7	
30						
31	" " 6	"	D6	"	C7	REF
32						
33	" " 4	"	D7	"	E7	
34						
35	" " 5,6	"	D7	"	D6	Ref.
36						
37	" " 4	"	D8	"	E9	
38						
39	" " 4	"	D9	"	D3	Ref.
40						
41	Run-Stop Tight-Tape	"	D10	TB5009	H4	Ref.
42						
43	Enable	"	E1	TB5005	C10	Ref.
44						
45	Strap Note 4	"	E2	"	D4	Ref.
46						
47	" " 4	"	E3	"	D5	Ref.
48						
49	" " 4	"	E4	"	F2	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					
2	3				

5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP.	TERM.	COMP.	TERM.	
1	Strap Note 4	TB5010	E5	TB5010	E6	
2						
3	" " 4	"	E6	"	E5	Ref.
4						
5	" " 5,6	"	E6	"	C8	REF.
6						
7						Ref.
8						
9	" " 4	"	E7	"	D7	Ref.
10						
11	" " 4,5	"	E8	"	D6	Ref.
12						
13	" " 4	"	E9	"	D8	Ref.
14	" " 5	"	E9	"	C9	REF.
15	End of Tape	"	E10	TB5013	S3	
16						
17	Carrier "On-Off"	"	F1	J5001	B4	Ref.
18						
19	Strap Note 4	"	F2	TB5010	E4	Ref.
20						
21	Strap " 5	"	F2	"	C7	Ref.
22						
23	Feed Out Inhibit	"	F3	TB5005	B1	Ref.
24						
25	Receiving Lamp	"	F4	TB5009	E5	Ref.
26						
27	Generate "V" Answer Back	"	F5	"	F1	Ref.
28						
29	Tape Available (Taut-Tape Contact)	"	F6	TB5013	Q1	
30						
31	Letters Detect Register Reset	"	F7	TB5009	E7	Ref.
32						
33	Reader Sense Auxiliary Signal	"	F8	"	D10	Ref.
34						
35	Tape Out at Reperforator	"	F9	TB5013	S5	
36						
37	Tight-Tape Supply	"	F10	"	T1	
38						
39	T-D Code Reading Contacts 1 Spacing	"	G1	"	U3	
40						
41	" " " " 2 "	"	G2	"	K1	
42						
43	" " " " 3 "	"	G3	"	K2	
44						
45	" " " " 4 "	"	G4	"	K3	
46						
47	" " " " 5 "	"	G5	"	K4	
48						
49	" " " " 6 "	"	G6	"	K5	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	T-D Code Reading Contacts 7 Spacing	TB5010	G7	TB5013	U1	
2						
3	" " " " 8 "	"	G8	"	U2	
4						
5	Traffic Available	"	G9	TB5009	D5	Ref.
6						
7	Gated Low Speed EOM/EOT Transmitted	"	G10	"	D1	Ref.
8	Line Break Detect	"	H1	J5001	C4	Ref.
9	Immediate Stop Remove Traffic					
10	Available	"	H2	TB5009	D7	Ref.
11	Feed Out Button		H3	TB5005	E10	Ref.
12	Sequence Stop Remove Traffic					
13	Available	"	H4	TB5009	E2	Ref.
14						
15	Feed Out Request	"	H5	TB5005	B2	Ref.
16						
17	Hold "Off" After Sequence Stop	"	H6	TB5009	D6	Ref.
18						
19	Remove Traffic Available, Sequence					
20	Stop Switch	"	H7	"	D9	Ref.
21						
22	Letters Delete Relay	"	H8	"	D2	Ref.
23						
24	Reader Tape Out	"	H9	TB5013	G3	
25						
26	SEA 1 H/L (LEFT SIDE)					
27						
28	Logic Reset	TB5011	A1	TB5012	E1	
29						
30	Converter Alarm Relay	"	A2	"	G5	
31						
32	Line Break Request GATE	"	A3	TB5012	G2	
33						
34	-6 R V DC	"	A4	TB5011	A5	
35						
36	-6 R V DC	"	A5	TB5003	A5	Ref.
37						
38	-6 R V DC	"	A5	TB5011	A4	Ref.
39	CHARACTER SAMPLE	"	A10	J5004	A10	REF.
40	Tape Bin Full	"	B1	TB5016	R1	
41						
42	Emergency Tight-Tape	"	B2	"	N3	
43						
44	+6 V DC	"	B3	TB5003	B3	Ref.
45						
46	-28 V DC	"	B4	TB5012	O9	
47						
48						
49						
50	Frame Ground	"	B5	TB5011	B6	

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE				
2	3			
5742 WD				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Shield Ground	TB5011	B5	TB5012	H1	
2						
3	Ground, Circuit	"	B6	TB5011	B5	Ref.
4						
5	Circuit Ground	"	B6	Bus Bar		
6						
7	-12 V DC	"	B7	TB5003	B7	Ref.
8						
9	+1.5 V DC	"	B8	"	B8	Ref.
10	Feed Out Sample	"	B10	J5004	A2	Ref.
11	Gated Character Sample	"	C1	J5004	A5	Ref.
12						
13	CDC Received (No Answer Back)	"	C2	"	A6	Ref.
14						
15	CDC Received (Answer Back)	"	C3	"	C6	Ref.
16						
17	High Speed Letters Detect	"	C4	"	B2	Ref.
18						
19	STRAP NOTE 5	"	C7	TB5011	F2	
20	STRAP NOTE 6	"	C7	"	D6	
21	High Speed EOM/EOT Transmitted	"	C6	J5004	C2	Ref.
22	STRAP NOTE 5,6	"	C8	TB5011	E6	
23	EOM → EOA (INV.)	"	C9	J5004	C1	Ref.
24	STRAP NOTE 5	"	C9	TB5011	E9	
25	RECEIVER Sample	"	C10	J5004	A7	Ref.
26						
27	"V" Answer Back Generated	"	D1	"	A8	Ref.
28						
29	EOA	"	D2	J5004	C5	Ref.
30						
31	Strap Note 4	"	D3	TB5011	D9	
32						
33	" " 4	"	D4	"	E2	
34						
35	" " 4	"	D5	"	E3	
36						
37	" " 4,5	"	D6	"	E8	
38						
39	" " 5,6	"	D6	"	D7	
40						
41	" " 6	"	D6	"	C7	REF
42						
43	" " 4	"	D7	"	E7	
44						
45	" " 5,6	"	D7	"	D6	Ref.
46						
47	" " 4,5	"	D8	"	E9	
48						
49	" " 4	"	D9	"	D3	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2	3				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Run-Stop Tight-Tape	TB5011	D10	TB5012	H4	
2						
3	Enable	"	E1	TB5008	C10	Ref.
4						
5	Strap Note 4	"	E2	TB5011	D4	Ref.
6						
7	" " 4	"	E3	"	D5	Ref.
8						
9	" " 4	"	E4	"	F2	
10						
11	" " 4	"	E5	"	E6	
12						
13	" " 4	"	E6	"	E5	Ref.
14						
15	" " 5,6	"	E6	"	C8	REF
16						
17						
18						
19	" " 4	"	E7	"	D7	Ref.
20						
21	" " 4,5	"	E8	"	D6	Ref.
22						
23	" " 4	"	E9	"	D8	Ref.
24	" " 5	"	E9	"	C9	REF
25	End of Tape	"	F10	TB5016	S3	
26						
27	Carrier "On-Off"	"	F1	J5004	B4	Ref.
28						
29	Strap Note 4	"	F2	TB5011	E4	Ref.
30						
31	" " 5	"	F2	"	C7	Ref.
32						
33	Feed Out Inhibit	"	F3	TB5008	B1	Ref.
34						
35	Receiving Lamp	"	F4	TB5012	E5	
36						
37	Generate "V" Answer Back	"	F5	"	F1	
38						
39	Tape Available (Taut-Tape Contact)	"	F6	TB5016	Q1	
40						
41	Letters Detect Register Reset	"	F7	TB5012	E7	
42						
43	Reader Sense Auxiliary Signal	"	F8	"	D10	
44						
45	Tape Out at Reperforator	"	F9	TB5016	S5	
46						
47	Tight-Tape Supply	"	F10	"	T1	
48						
49	T-D Code Reading Contacts 1 Spacing	"	G1	"	U3	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	T-D Code Reading Contacts 2 Spacing	TB5011	G2	TB5016	K1	
2						
3	" " " " 3 "	"	G3	"	K2	
4						
5	" " " " 4 "	"	G4	"	K3	
6						
7	" " " " 5 "	"	G5	"	K4	
8						
9	" " " " 6 "	"	G6	"	K5	
10						
11	" " " " 7 "	"	G7	"	U1	
12						
13	" " " " 8 "	"	G8	"	U2	
14						
15	Traffic Available	"	G9	TB5012	D5	
16						
17	Gated Low Speed EOM/EOT Transmitted	"	G10	"	D1	
18	Line Break Detect	"	H1	J5004	C4	Ref.
19	Immediate Stop Remove Traffic					
20	Available	"	H2	TB5012	D7	
21	Feed Out Button	"	H3	TB5008	E1C	Ref.
22	Sequence Stop Remove Traffic					
23	Available	"	H4	TB5012	E2	
24						
25	Feed Out Request	"	H5	TB5008	B2	Ref.
26						
27	Hold "Off" after Sequence Stop	"	H6	TB5012	D6	
28						
29	Remove Traffic Available, Sequence					
30	Stop Switch	"	H7	"	D9	
31						
32	Letters Delete Relay	"	H8	"	D2	
33						
34	Reader Tape Out	"	H9	TB5016	G3	
35						
36	SEA 2 H/L (LEFT SIDE)					
37						
38	Switched 117 V AC Common	TB5012	A1	TB5016	BB4	S18W
39						
40	" " " "	"	A1	TB5004	A2	Ref.
41						
42	" " " "	"	A1	TB5012	G9	S24BL
43						
44	Switched 117 V AC	"	A2	TB5004	A1	Ref.
45						
46	" " " "	"	A2	TB5016	BB3	S18S
47						
48	Strap for 1A	"	A3	J5004	B20	Ref.
49						
50	-48 V DC	"	A6	TB5016	FF4	S22W

TELETYPE CORPORATION
5742 WD

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE						5742WD
2	3					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Fused 117 V AC	TB5012	A9	XF5003	(2)	S18S
2						
3	Fused 117 V AC Common	"	A10	TB5041	8	S18W
4						
5	Station Alarm Ground	"	B1	TB5012	C10	
6						
7	Station Alarm Circuit	"	B2	"	G6	
8						
9	-28 V DC	"	B4	"	C9	
10						
11	Frame Ground	"	B5	"	B6	
12						
13	Shield Ground	"	B5			
14						
15	Ground, Circuit	"	B6	TB5012	B5	Ref.
16						
17	Circuit Ground	"	B6	Bus Bar		18G
18	CODE CONTACT COMMON	"	B9	TB5016	D1	SP22BK
19	Low Speed EOM/EOT Transmitted	"	C1	J5005	A11	Ref.
20	STOP PULSE	"	B10	TB5016	D2	SP22R
21	EOM/EOT Gate Shunt	"	C1	J5005	A16	Ref.
22						
23	TD Send	"	C2	"	A17	Ref.
24						
25	TD Send Return	"	C3	"	A18	Ref.
26						
27	-48 V DC for TD Return (1A)	"	C4	"	A19	Ref.
28						
29	Traffic Available No. 1	"	C5	"	E11	Ref.
30						
31	" " " " (RETURN)	"	C6	BUS BAR		
32						
33	24 V AC	"	C7	TB5016	BB1	SP22R
34						
35	24 V AC	"	C8	"	BB2	SP22BK
36						
37	-28 V DC	"	C9	TB5012	B4	Ref.
38						
39	-28 V DC	"	C9	TB5011	B4	Ref.
40						
41	-28 V DC	"	C9	XK5002	11	
42						
43	-28 V DC Common	"	C10	TB5012	B1	Ref.
44						
45	-28 V DC Common	"	C10	Bus Bar		
46						
47	Gated Low Speed EOM/EOT Transmitted	"	D1	TB5011	G10	Ref.
48						
49	EOM/EOT Gate Shunt Return	"	D1	J5005	A20	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Letters Delete Relay	TB5012	D2	TB5011	H8	Ref.
2						
3	Traffic Available Relay	"	D5	"	G9	Ref.
4						
5	Hold "Off" After Sequence Stop	"	D6	"	H6	Ref.
6						
7	Immediate Stop Remove Traffic					
8	Available	"	D7	"	H2	Ref.
9						
10	TD Busy	"	D8	J5005	E13	Ref.
11						
12	Remove Traffic Available, Sequence					
13	Stop Switch	"	D9	TB5011	H7	Ref.
14						
15	Reader Sense Auxiliary Signal	"	D10	"	F8	Ref.
16						
17	Logic Reset	"	E1	"	A1	Ref.
18						
19	Sequence Stop Remove Traffic					
20	Available	"	E2	"	H4	Ref.
21						
22	TD Hold	"	E3	J5005	E14	Ref.
23						
24	Tight-Tape TD Run-Stop Switch	"	E4	TB5016	G1	
25						
26	Receiving Lamp	"	E5	TB5011	F4	Ref.
27						
28	Traffic Available No. 2 Return	"	E6	J5005	B12	Ref.
29						
30	Letter Detect Register Reset	"	E7	TB5011	F7	Ref.
31						
32	Simulated Distributor Auxiliary	"	F8	J5005	F11	Ref.
33						
34	" " " Return	"	F9	"	F12	Ref.
35						
36	Transmitter Auxiliary Contact	"	E10	J5005	B19	Ref.
37						
38	Generate "V" Answer Back Gate	"	F1	TB5011	F5	Ref.
39						
40	Reader Clutch	"	F2	TB5016	E1	SP22R
41						
42	Reader Clutch Return	"	F3	"	E2	SP22BK
43						
44	Distributor Clutch Trip Contact	"	F4	"	F1	SP22R
45						
46	" " " " Return	"	F5	"	F2	SP22BK
47						
48						
49						
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE				
2	3			

5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Distributor Clutch	TB5012	F6	TB5016	E3	SP22R
2						
3	" " Return	"	F7	"	E4	SP22BK
4						
5	Traffic Available No. 2	"	F8	J5005	B11	Ref.
6	IA Dist. Pulse Control	"	F9	J5005	B17	Ref.
7	Reader Sense Auxiliary Contact	"	F10	TB5016	F5	
8						
9	Generate "V" Answer Back	"	G1	J5004	A9	Ref.
10	Line Break Request Gate	"	G2	TB5011	A3	Ref.
11						
12	Tape Available (Taut Tape Contact)	"	G3	TB5016	C3	
13	Converter Alarm Relay	"	G5	TB5011	A2	Ref.
14						
15	Station Alarm Circuit	"	G6	TB5012	B2	Ref.
16						
17	Station Alarm	"	G7	J5004	B1	Ref.
18						
19	Cabinet Alarm	"	G8	XK5002	8	S24BL
20						
21	Cabinet Alarm Circuit	"	G9	TB5012	A1	Ref.
22	Line Break Request	"	G10	J5004	B3	Ref.
23						
24	SEA 1 H/L Ground	"	H1	TB5011	B5	Ref.
25						
26						
27	BID	"	H9	J5005	E20	REF.
28	Run-Stop Tight-Tape	"	H4	TB5011	D10	Ref.
29	Distributor Clutch Common	"	H5	TB5016	FF3	
30	Distributor Control Shunt	"	H5	J5005	A12	Ref.
31						
32	" " " Return	"	H6	"	A13	Ref.
33	IA L.S. EOT	"	H7	"	B18	Ref.
34	HIGH-TO-LOW R-T SET (RIGHT SIDE)					
35						
36	Distributor to Sense Contacts					
37	Bit No. 2	TB5013	A1	TB5013	B1	
38						
39	Distributor to Sense Contacts					
40	Bit No. 3	"	A2	"	B2	
41						
42	Distributor to Sense Contacts					
43	Bit No. 4	2	A3	"	B3	
44						
45	Distributor to Sense Contacts					
46	Bit No. 5	"	A4	"	B4	
47						
48	Distributor to Sense Contacts					
49	Bit No. 6	"	A5	"	B5	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE				
2				
5742 WD				

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Sense to Distributor Contacts Bit 2	TB5013	B1	TB5013	A1	Ref.
2						
3	" " " " " 3	"	B2	"	A2	Ref.
4						
5	" " " " " 4	"	B3	"	A3	Ref.
6						
7	" " " " " 5	"	B4	"	A4	Ref.
8						
9	" " " " " 6	"	B5	"	A5	Ref.
10						
11	Low Speed Signal Line (-)	"	D2	FL5001	BK(5)	Ref.
12						
13	Code Contacts Common	"	D1	TB5009	B9	Ref.
14						
15	Stop Pulse	"	D2	TB5009	B10	Ref.
16						
17	Low Speed Signal Line (+)	"	D3	FL5001	Red(4)	Ref.
18						
19	DISTRIBUTOR AUX.	"	D4	J5002	B13	REF.
20						
21	" " RETURN	"	D5	"	B14	REF.
22						
23						
24	Reader Clutch	"	E1	TB5009	F2	Ref.
25						
26	" " Return	"	E2	"	F3	Ref.
27						
28	Distributor Clutch	"	E3	"	F6	Ref.
29						
30	" " Return	"	E4	"	F7	Ref.
31						
32	Distributor Clutch Trip Contact	"	F1	"	F4	Ref.
33						
34	" " " " Return	"	F2	"	F5	Ref.
35						
36	Reader Sense Auxiliary Common	"	F4	TB5013	G4	
37						
38	Reader Sense Auxiliary Contact	"	F5	TB5009	F10	Ref.
39						
40	Tight-Tape TD Run-Stop Switch	"	G1	"	E4	Ref.
41						
42	" " " " " Common	"	G2	TB5013	FF3	
43						
44						
45						
46	Reader Tape Out Contact	"	G3	TB5010	H9	Ref.
47						
48	" " " Common	"	G4	TB5013	F4	Ref.
49						
50	" " " "	"	G4	Bus Bar		

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE						5742WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TFRM.	
1	T-D Code Reading Contacts Common	TB5013	J1	TB5013	FPL	
2						
3	" " " " "	"	J1	TB5013	J2	
4						
5	" " " " "	"	J2	"	J1	Ref.
6						
7	" " " " "	"	J2	"	J3	
8						
9	" " " " "	"	J3	"	J2	Ref.
10						
11	" " " " "	"	J3	"	J4	
12						
13	" " " " "	"	J4	"	J3	Ref.
14						
15	" " " " "	"	J4	"	J5	
16						
17	" " " " "	"	J5	"	J4	Ref.
18						
19	" " " " "	"	J5	"	X1	
20						
21	T-D Code Reading Contacts 2 Spacing	"	K1	TB5010	G2	Ref.
22						
23	" " " " 3 "	"	K2	"	G3	Ref.
24						
25	" " " " 4 "	"	K3	"	G4	Ref.
26						
27	" " " " 5 "	"	K4	"	G5	Ref.
28						
29	" " " " 6 "	"	K5	"	G6	Ref.
30						
31	DRPE Bit No. 1 Drive	"	L1	TB5006	A1	Ref.
32						
33	" " " 1 " Return	"	L2	TB5005	C1	Ref.
34						
35	" " " 2 "	"	L3	TB5001	A2	Ref.
36						
37	" " " 2 " Return	"	L4	TB5005	C2	Ref.
38						
39	" " " 3 "	"	L5	TB5001	A3	Ref.
40						
41	" " " 3 "	"	M1	TB5005	C3	Ref.
42						
43	" " " 4 "	"	M2	TB5001	A8	Ref.
44						
45	" " " 4 "	"	M3	TB5005	C4	Ref.
46						
47	Distributor to Sense Contacts Bit 7	"	M5	TB5013	W4	
48						
49	Emergency Tight-Tape Common	"	N2	"	N5	
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Emergency Tight-Tape Common	TB5013	N2	TB5013	P4	
2						
3	" " " Contact	"	N3	TB5010	B2	Ref.
4						
5	Distributor to Sense Contacts Bit 8	"	N4	TB5013	X4	
6						
7	Chassis Ground	"	N5	"	N2	Ref.
8						
9	" "	"	N5	Bus Bar		
10						
11	DRPE Bit No. 5 Drive	"	P2	TB5001	A9	Ref.
12						
13	" " " 5 " Return	"	P3	TB5005	C5	Ref.
14						
15	Taut-Tape Common	"	P4	TB5013	N2	Ref.
16						
17	Shield Ground	"	P5	Bus Bar		
18	" "	"	P5			
19	Shield Ground	"	P5	TB5013	Q2	
20	Tape Available Common (#2)	"	Q2	"	P5	Ref.
21	Tape Available (Taut-Tape Contact #1)	"	Q1	TB5010	F6	Ref.
22	" " " " " #2)	"	Q3	TB5009	G3	Ref.
23	Shield Ground	"	Q5	Bus Bar		
24						
25	" "	"	Q5	TB5013	R4	
26						
27	Tape Bin Full	"	R1	TB5010	B1	Ref.
28						
29	Distributor to Sense Contacts Bit 1	"	R3	TB5013	U4	
30						
31	Tape Bin Full Common	"	R4	TB5013	Q5	Ref.
32						
33	" " " "	"	R4	"	R5	
34						
35	Tape Out at Reperforator Common	"	R5	"	R4	Ref.
36						
37	" " " " " "	"	R5	"	S4	
38						
39	End of Tape	"	S3	TB5010	E10	Ref.
40						
41	" " " Common	"	S4	TB5013	R5	Ref.
42						
43	" " " "	"	S4	"	T2	
44						
45	Tape Out at Reperforator Contact	"	S5	TB5010	F9	Ref.
46						
47	Tight-Tape Supply Contact	"	T1	"	F10	Ref.
48						
49	" " " " Common	"	T2	TB5013	S4	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Low Tape Common	TB5013	T4	TB5013	Y2	
2						
3	Low Tape Contact	"	T3	XK5001	3	S24BL
4						
5	T-D Code Reading Contacts 7 Spacing	"	U1	TB5010	G7	Ref.
6						
7	" " " " 8 "	"	U2	"	G8	Ref.
8						
9	" " " " 1 "	"	U3	"	G1	Ref.
10						
11	Sense to Distributor Contact Bit 1	"	U4	TB5013	R3	Ref.
12						
13	DRPE Bit No. 7 Drive	"	V4	TB5006	A2	Ref.
14						
15	" " " 7 " Return	"	V5	TB5005	C7	Ref.
16						
17	Sense to Distributor Contacts Bit 7	"	W4	TB5013	M5	Ref.
18						
19	T-D Code Reading Contacts Common	"	X1	"	J5	Ref.
20						
21	" " " " "	"	X1	"	X2	
22						
23	" " " " "	"	X2	"	X1	Ref.
24						
25	" " " " "	"	X2	"	X3	
26						
27	" " " " "	"	X3	"	X2	Ref.
28						
29	Sense to Distributor Contacts Bit 8	"	X4	"	N4	Ref.
30						
31	117 V AC to LBXD Power Factor					
32	Capacitor	"	Y1	"	Y3	18S
33						
34	117 V AC Common to LBXD Power					
35	Factor Capacitor	"	Y2	"	Y4	18W
36						
37	117 V AC Common to Low Tape Switch	"	Y2	"	T4	Ref.
38						
39	117 V AC to LBXD Power Factor					
40	Capacitor	"	Y3	"	Y1	Ref.
41						
42	117 V AC to LBXD Motor	"	Y3	"	AA3	18S
43						
44	117 V AC Common to LBXD Power					
45	Factor Capacitor	"	Y4	"	Y2	Ref.
46						
47	117 V AC Common to LBXD Motor	"	Y4	"	AA4	18W
48						
49	Frame Ground	"	Y5	Bus Bar		
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	DRPE Bit No. 8 Drive	TB5013	Z1	TB5006	A3	Ref.
2						
3	" " " 8 " Return	"	Z2	TB5005	C8	Ref.
4						
5	DRPE Feed Drive	"	Z3	TB5001	A1	Ref.
6						
7	DRPE Feed Drive Return	"	Z5	TB5005	O9	Ref.
8						
9	DRPE Bit No. 6 Drive	"	AA1	TB5001	A10	Ref.
10						
11	" " " 6 " Return	"	AA2	TB5005	C6	Ref.
12						
13	117 V AC to LBXD Motor	"	AA3	TB5013	Y3	Ref.
14						
15	117 V AC to DRPE Feed Motor	"	AA3	"	BB3	18S
16						
17	117 V AC Common to LBXD Motor	"	AA4	"	Y4	Ref.
18						
19	117 V AC Common to DRPE Feed Motor	"	AA4	"	BB4	18W
20						
21	24 V AC	"	BB1	TB5009	C7	Ref.
22						
23	" "	"	BB2	"	C8	Ref.
24						
25	117 V AC to DRPE Feed Motor	"	BB3	TB5013	AA3	Ref.
26						
27	117 V AC to 48 V DC Power Supply	"	BB3	TB5009	A2	Ref.
28						
29	117 V AC Common to DRPE Feed Motor	"	BB4	TB5013	AA4	Ref.
30						
31	117 V AC Common to 48 V DC Power					
32	Supply	"	BB4	TB5009	A1	Ref.
33						
34	Shield Ground	"	BB5	TB5013	FF5	
35	-48V DC Ground	"	FF3	"	G2	Ref.
36	-48 V DC Ground	"	FF3	Bus Bar		18G
37	-48 V DC Ground	"	FF3	TB5009	H5	Ref.
38	-48 V DC	"	FF4	TB5009	A6	Ref.
39	-48 V DC	"	FF4	TB5013	J1	Ref.
40	Shield Ground	"	FF5	TB5013	BB5	Ref.
41						
42	Shield Ground	"	FF5	Bus Bar		
43						
44	HIGH-TO-LOW R-T SET (LEFT SIDE)					
45						
46	Distributor to Sense Contacts Bit 2	TB5016	A1	TB5016	B1	
47						
48	" " " " " 3	"	A2	"	B2	
49						
50	" " " " " 4	"	A3	"	B3	

DUAL HIGH-TO-LOW CONVERTER

VC205 (con'd)

ISSUE				
2				
				5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP.	TERM.	COMP.	TERM.	
1	Distributor to Sense Contacts Bit 5	TB5016	A4	TB5016	B4	
2						
3	" " " " " 6	"	A5	TB5016	B5	
4						
5	Sense to Distributor Contacts Bit 2	"	B1	"	A1	Ref.
6						
7	" " " " " 3	"	B2	"	A2	Ref.
8						
9	" " " " " 4	"	B3	"	A3	Ref.
10						
11	" " " " " 5	"	B4	"	A4	Ref.
12						
13	" " " " " 6	"	B5	"	A5	Ref.
14						
15	Low Speed Signal Line (-)	"	D2	FL5002	BK(5)	Ref.
16						
17	Code Contacts Common (-)	"	D1	TB5012	B9	Ref.
18						
19	Stop Pulse	"	D2	TB5012	B10	Ref.
20						
21	Low Speed Signal Line (+)	"	D3	FL5002	Red(4)	Ref.
22						
23	DISTRIBUTOR AUX.	"	D4	J5005	B13	REF.
24						
25	" " RETURN	"	D5		B14	REF.
26						
27						
28	Reader Clutch	"	E1	TB5012	F2	Ref.
29						
30	" " Return	"	E2	"	F3	Ref.
31						
32	Distributor Clutch	"	E3	"	F6	Ref.
33						
34	" " Return	"	E4	"	F7	Ref.
35						
36	Distributor Clutch Trip Contact	"	F1	"	F4	Ref.
37						
38	" " " " Return	"	F2	"	F5	Ref.
39						
40	Reader Sense Auxiliary Common	"	F4	TB5016	G4	
41						
42	Reader Sense Auxiliary Contact	"	F5	TB5012	F10	Ref.
43						
44	Tight-Tape TD Run- Stop Switch	"	G1	"	E4	Ref.
45						
46	" " " " " Common	"	G2	TB5016	FF3	
47						
48						
49						
50	Reader Tape Out Contact	"	G3	TB5011	H9	Ref.

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE						5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Reader Tape Out Common	TB5016	G4	TB5016	F4	Ref.
2						
3	" " " "	"	G4	Bus Bar		
4						
5	T-D Code Reading Contacts Common	"	J1	TB5016	FF4	
6						
7	" " " " "	"	J1	TB5016	J2	
8						
9	" " " " "	"	J2	"	J1	Ref.
10						
11	" " " " "	"	J2	"	J3	
12						
13	" " " " "	"	J3	"	J2	Ref.
14						
15	" " " " "	"	J3	"	J4	
16						
17	" " " " "	"	J4	"	J3	Ref.
18						
19	" " " " "	"	J4	"	J5	
20						
21	" " " " "	"	J5	"	J4	Ref.
22						
23	" " " " "	"	J5	"	X1	
24						
25	T-D Code Reading Contacts 2 Spacing	"	K1	TB5011	G2	Ref.
26						
27	" " " " 3 "	"	K2	"	G3	Ref.
28						
29	" " " " 4 "	"	K3	"	G4	Ref.
30						
31	" " " " 5 "	"	K4	"	G5	Ref.
32						
33	" " " " 6 "	"	K5	"	G6	Ref.
34						
35	DRPE Bit No. 1 Drive	"	L1	TB5007	A1	Ref.
36						
37	" " " 1 " Return	"	L2	TB5008	C1	Ref.
38						
39	" " " 2 "	"	L3	TB5004	A2	Ref.
40						
41	" " " 2 " Return	"	L4	TB5008	C2	Ref.
42						
43	" " " 3 "	"	L5	TB5004	A3	Ref.
44						
45	" " " 3 " Return	"	M1	TB5008	C3	Ref.
46						
47	" " " 4 "	"	M2	TB5004	A8	Ref.
48						
49	" " " 4 " Return	"	M3	TB5008	C4	Ref.
50						

TELETYPE CORPORATION
5742 WD

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Distributor to Sense Contacts Bit 7	TB5016	M5	TB5016	W4	
2						
3	Emergency Tight-Tape Common	"	N2	"	N5	
4						
5	" " " "	"	N2	"	P4	
6						
7	Emergency Tight-Tape Contact	"	N3	TB5011	B2	Ref.
8						
9	Distributor to Sense Contacts Bit 8	"	N4	TB5016	X4	
10						
11	Chassis Ground	"	N5	"	N2	Ref.
12						
13	" "	"	N5	Bus Bar		
14						
15	DRPE Bit No. 5 Drive	"	P2	TB5004	A9	Ref.
16						
17	" " " 5 " Return	"	P3	TB5008	C5	Ref.
18						
19	Taut-Tape Common	"	P4	TB5016	N2	Ref.
20						
21	Shield Ground	"	P5	Bus Bar		
22	" "	"	P5			
23	Shield Ground	"	P5	TB5016	Q2	
24	Tape Available Common (#2)	"	Q2	"	P5	Ref.
25	Tape Available (Taut-Tape Contact #1)	"	Q1	TB5011	F6	Ref.
26	Tape Available (Taut-Tape Contact #2)	"	Q3	TB5012	G3	Ref.
27	Shield Ground	"	Q5	Bus Bar		
28						
29	Shield Ground	"	Q5	TB5016	R4	
30						
31	Tape Bin Full	"	R1	TB5011	B1	Ref.
32						
33	Distributor to Sense Contacts Bit 1	"	R3	TB5016	U4	
34						
35	Tape Bin Full Common	"	R4	"	Q5	Ref.
36						
37	" " " "	"	R4	"	R5	
38						
39	Tape Out at Reperforator Common	"	R5	"	R4	Ref.
40						
41	" " " " "	"	R5	"	S4	
42						
43	End of Tape	"	S3	TB5011	F10	Ref.
44						
45	" " " Common	"	S4	TB5016	R5	Ref.
46						
47	" " " "	"	S4	"	T2	
48						
49	Tape Out at Reperforator Contact	"	S5	TB5011	F9	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Tight-Tape Supply Contact	TB5016	T1	TB5011	F10	Ref.
2						
3	Tight-Tape Supply Common	"	T2	TB5016	S4	Ref.
4						
5	Low Tape Common	"	T4	"	Y2	
6						
7	Low Tape Contact	"	T3	XK5002	3	S24BL
8						
9	T-D Code Reading Contacts 7 Spacing	"	U1	TB5011	G7	Ref.
10						
11	" " " " 8 "	"	U2	"	G8	Ref.
12						
13	" " " " 1 "	"	U3	"	G1	Ref.
14						
15	Sense to Distributor Contact Bit 1	"	U4	TB5016	R3	Ref.
16						
17	DPPE Bit No. 7 Drive	"	V4	TB5007	A2	Ref.
18						
19	" " " 7 " Return	"	V5	TB5008	G7	Ref.
20						
21	Sense to Distributor Contacts Bit 7	"	W4	TB5016	M5	Ref.
22						
23	T-D Code Reading Contacts Common	"	X1	"	J5	Ref.
24						
25	" " " " "	"	X1	"	X2	
26						
27	" " " " "	"	X2	"	X1	Ref.
28						
29	" " " " "	"	X2	"	X3	
30						
31	" " " " "	"	X3	"	X2	Ref.
32						
33	Sense to Distributor Contacts Bit 8	"	X4	"	N4	Ref.
34						
35	117 V AC to LBXD Power Factor					
36	Capacitor	"	Y1	"	Y3	18S
37						
38	117 V AC Common to LBXD Power Factor					
39	Capacitor	"	Y2	"	Y4	18W
40						
41	117 V AC Common to Low Tape Switch	"	Y2	"	T4	Ref.
42						
43	117 V AC to LBXD Power Factor					
44	Capacitor	"	Y3	"	Y1	Ref.
45						
46	117 V AC to LBXD Motor	"	Y3	"	AA3	18S
47						
48	117 V AC Common to LBXD Power					
49	Factor Capacitor	"	Y4	"	Y2	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	117 V AC Common to LBXD Motor	TB5016	Y4	TB5016	AA4	18W
2						
3	Frame Ground	"	Y5	Bus Bar		
4						
5	DRPE Bit No. 8 Drive	"	Z1	TB5007	A3	Ref.
6						
7	" " " 8 " Return	"	Z2	TB5008	C8	Ref.
8						
9	DRPE Feed Drive	"	Z3	TB5004	A1	Ref.
10						
11	" " " Return	"	Z5	TB5008	C9	Ref.
12						
13	DRPE Bit No. 6 Drive	"	AA1	TB5004	A10	Ref.
14						
15	" " " 6 " Return	"	AA2	TB5008	C6	Ref.
16						
17	117 V AC to LBXD Motor	"	AA3	TB5016	Y3	Ref.
18						
19	117 V AC to DRPE Feed Motor	"	AA3	"	BB3	18S
20						
21	117 V AC Common to LBXD Motor	"	AA4	"	Y4	Ref.
22						
23	117 V AC Common to DRPE Feed Motor	"	AA4	TB5016	BB4	18W
24						
25	24 V AC	"	BB1	TB5012	C7	Ref.
26						
27	24 V AC	"	BB2	"	C8	Ref.
28						
29	117 V AC to DRPE Feed Motor	"	BB3	TB5016	AA3	Ref.
30						
31	117 V AC to 48 V DC Power Supply	"	BB3	TB5012	A2	Ref.
32						
33	117 V AC Common to DRPE Feed Motor	"	BB4	TB5016	AA4	Ref.
34						
35	117 V AC Common to 48 V DC Power Supply	"	BB4	TB5012	A1	Ref.
36						
37	Shield Ground	"	BB5	TB5016	FF5	
38						
39	-48 V DC Ground	"	FF3	"	G2	Ref.
40	-48 V DC Ground	"	FF3	Bus Bar		18G
41	-48V DC Ground	"	FF3	TB5012	H5	Ref.
42	-48 V DC	"	FF4	TB5012	A6	Ref.
43	" "	"	FF4	TB5016	J1	Ref.
44	Shield Ground	"	FF5	TB5016	BB5	Ref.
45						
46	Shield Ground	"	FF5	Bus Bar		
47						
48	INPUT TERMINAL STRIP (LEFT)					
49						
50	117 V AC	TB5041	1	TB5042	3	SI8BK

TELETYPE CORPORATION
5742 WD

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742 WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	117 V AC	TB5041	1	TB5041	2	Strap
2						
3	" "	"	1	XF5002	(1)	S18BK
4						
5	" "	"	2	TB5041	1	Ref.
6						
7	" "	"	2	XF5003	(1)	S18BK
8						
9	Low Tape Lamp	"	3	XDS5002	(1)	S24BL
10						
11	" " "	"	3	XK5002	2	S24BL
12						
13	Fused 117 V AC (Alarm)	"	4	TB5042	4	S18S
14						
15	" " " "	"	4	XDS5001	(2)	S18S
16						
17	Frame Ground	"	5	TB5042	5	18G
18						
19						
20						
21	" "	"	5	Bus Bar		18G
22						
23	Cabinet Alarm	"	6	TB5042	6	S24FL
24						
25	" "	"	6	XK5002	7	S24BL
26						
27	" "	"	6	TB5041	*7	Strap
28						
29	" "	"	7	"	6	Ref.
30						
31	" "	"	7	XDS5001	(1)	S24BL
32						
33	117 V AC Common	"	8	TB5042	7	S18
34						
35	" " "	"	8	TB5012	A10	Ref.
36	" " "	"	8	TB5003	A10	REF.
37	INPUT TERMINAL STRIP (RIGHT)					
38						
39	117 V AC In	TB5042	1			
40						
41	117 V AC	"	1	TH5001	(1)	S18BK
42						
43	" "	"	2	XF5001	(1)	S18BK
44						
45	" "	"	2	TB5042	3	Strap
46						
47	" "	"	3	"	2	Ref.
48						
49	" "	"	3	TH5001	(2)	S18BK
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	117 V AC	TB5042	3	TB5041	1	Ref.
2						
3	Fused 117 V AC (Alarm)	"	4	"	4	Ref.
4						
5	" " " "	"	4	XK5001	4	S18S
6						
7	Ground In	"	5			
8	Frame Ground	"	5	SE5001	Green	Ref.
9	Frame Ground	"	5	TB5041	5	Ref.
10						
11	Cabinet Alarm	"	6	"	6	Ref.
12						
13	" "	"	6	XK5001	7	Ref.
14						
15	117 V AC COMMON	"	7	TB5041	8	S24BL
16						
17	" " "	"	7	TB5042	8	Strap
18	" " "	"	7	TB5002	A10	REF.
19	" " "	"	7	SE5001	White	Ref.
20						
21	117 V AC Common In	"	8			
22						
23	117 V AC Common	"	8	TB5042	7	Ref.
24						
25	" " "	"	8	TB5009	A10	Ref.
26	" " "	"	8	B5001	(1)	REF
27	THERMOSTAT					
28						
29	117 V AC In	TH5001	(1)	TB5042	1	Ref.
30						
31	117 V AC	"	(2)	"	3	Ref.
32						
33	CABINET ALARM LAMP					
34						
35	Alarm Fused 117 V AC from Low					
36	Tape Lamp	XDS5001	(2)	XDS5002	(2)	S18S
37						
38	Alarm Fused 117 V AC to Static					
39	Eliminator and Blowers	"	(2)	TB5041	4	Ref.
40						
41	Switched AC Common from Cabinet					
42	Alarm Relay	"	(1)	TB5041	7	Ref.
43	Shield Ground	"	Mtg.	Screw		
44	LOW TAPE ALARM LAMP					
45						
46	Alarm Fused 117 V AC from Fuse	XDS5002	(2)	XF5002	(2)	S18S
47						
48	Alarm Fused 117 V AC to Cabinet					
49	Alarm Lamp	"	(2)	XDS5001	(2)	Ref.
50						

DUAL HIGH-TO-LOW CONVERTER

VC205 (cont'd)

ISSUE					5742WD
2					

	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM.	COMP	TERM.	
1	Switched AC Common from Low Tape					
2	Switches	XDS5002	(1)	TB5041	3	Ref.
3	Shield Ground	"	Mtg.	Screw		
4	RIGHT 117 V AC FUSE					
5						
6	117 V AC from Input	XF5001	(1)	TB5042	2	Ref.
7						
8	Fused 117 V AC to Power Switch	"	(2)	TB5009	A9	Ref.
9						
10	ALARM 117 V AC FUSE					
11						
12	117 V AC from Input	XF5002	(1)	TB5041	1	Ref.
13	FUSED 117 VAC	"	(2)	TB5002	A9	REF
14	Fused 117 V AC to Low Tape Lamp	"	(2)	XDS5002	(2)	Ref.
15	FUSED 117 VAC	"	(2)	TB5003	A9	REF.
16	LEFT 117 V AC FUSE					
17						
18	117 V AC from Input	XF5003	(1)	TB5041	2	Ref.
19						
20	Fused 117 V AC to Power Switch	"	(2)	TB5012	A9	Ref.
21						
22	RIGHT ALARM DISCONNECT RELAY					
23						
24	Circuit Ground to Coil	XK5001	1	XK5002	1	
25	Shield Ground	"	1			
26	Disconnect for Low Tape Switch	"	2	"	2	
27						
28	" " " " "	"	3	TB5013	T3	Ref.
29						
30	Disconnect for Blowers and Static					
31	Eliminator	"	4	TB5042	4	Ref.
32						
33	" " " " "	"	4	XK5002	4	518S
34						
35	" " " " "	"	5	"	5	518S
36						
37	" " " " "	"	5	SE5001	BK	Ref.
38						
39	Disconnect for Cabinet Alarm	"	7	TB5042	6	Ref.
40						
41	" " " "	"	8	TB5009	C8	Ref.
42						
43	-28 V DC to Coil	"	11	"	09	Ref.
44						
45	LEFT ALARM DISCONNECT RELAY					
46						
47	Circuit Ground to Coil	XK5002	1	Bus Bar		
48						
49	" " " "	"	1	XK5001	1	Ref.
50	SHIELD GROUND	"	1			

DUAL HIGH-TO-LOW CONVERTER

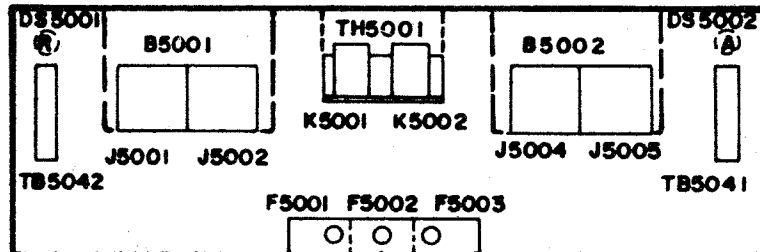
VC205 (cont'd)

ISSUE					5742 WD
2					

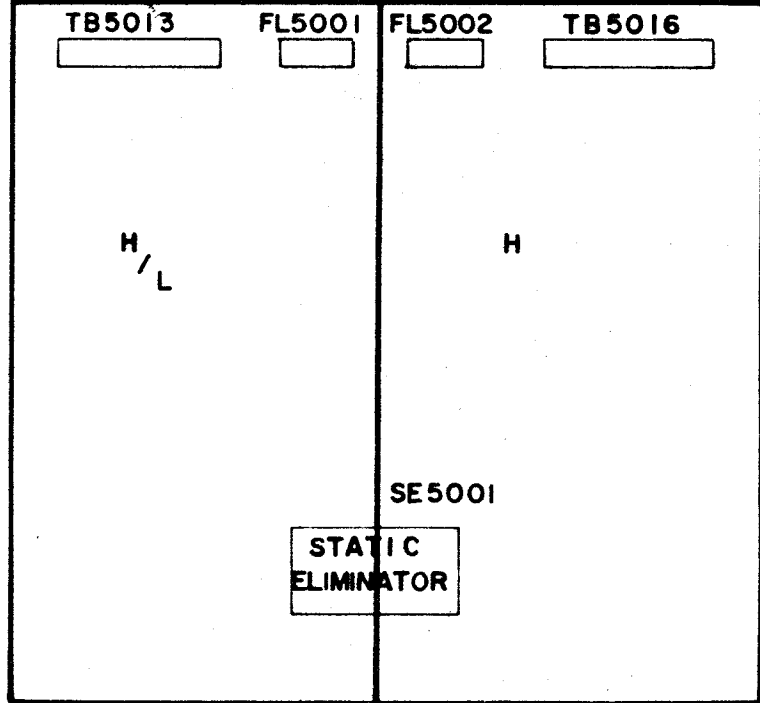
	FUNCTION OF WIRE	FROM		TO		WIRE DESC.
		COMP	TERM	COMP	TERM	
1	Disconnect for Low Tape Switch	XK5002	2	XK5001	2	Ref.
2						
3	" " " " "	"	2	TB5041	3	Ref.
4						
5	" " " " "	"	3	TB5016	T3	Ref.
6						
7	Disconnect for Blowers and Static					
8	Eliminator	"	4	XK5001	4	Ref.
9						
10	" " " " "	"	5	"	5	Ref.
11						
12	" " " " "	"	5	B5002	2	Ref.
13						
14	Disconnect for Cabinet Alarm	"	7	TB5041	6	Ref.
15						
16	" " " "	"	8	TB5012	G8	Ref.
17						
18	-28 V DC to Coil	"	11	TB5012	O9	Ref.
19						
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22						
23						
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ISSUE					
2					

5742 WD



HISPUC 4B 193321 5585WD 5586WD TB5001	MVPS 4 193221 5752WD 5749WD TB5002	MVPS 4 193221 5752WD 5749WD TB5003	HISPUC 4B 193321 5585WD 5586WD TB5004
HISPUC 3D 193283 6401WD 6402WD TB5005	HISPUC 3C 193287 5585WD 5586WD TB5006	HISPUC 3C 193287 5585WD 5586WD TB5007	HISPUC 3D 193283 6401WD 6402WD TB5008
SEA 2 H/L 193012 6916WD 6917WD TB5009	SEA 1 H/L 193013 6914WD 6915WD TB5010	SEA 1 H/L 193013 6914WD 6915WD TB5011	SEA 2 H/L 193012 6916WD 6917WD TB5012



VC 205

DUAL H/L CONVERTER CABINET (REAR)

TELETYPE CORPORATION

5742 WD